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PATENT OFFICE.

REPORT

FROM

THE COMMISSIONER OF PATENTS,

TRANSMITTING

Information in relation to the Duties of his Office for the year 1837.

JANUARY 17, 1838.

Read, and laid upon the table.

PATENT OFFICE, *January 1, 1838.*

SIR : In obedience to the law for promoting the progress of *science* and useful *arts*, the Commissioner of Patents would respectfully report :

That, during the year 1837, *four hundred and thirty-five patents* have been issued from the Patent Office, of which classified and alphabetical lists are annexed, marked A and B.

That, during the same period, *one hundred and sixty-eight patents* have expired and become public property, as by list annexed, marked C.

That the receipts for patents, caveats, disclaimers, improvements, and copies, for the year, amount to *twenty-nine thousand two hundred and eighty-nine dollars and eight cents* : from which may be deducted *three thousand three hundred and twenty dollars* paid on applications withdrawn, as by statement annexed, marked D.

That the payments made for the restoration of models, records, and drawings, consumed by the late fire, amount to *ten thousand seven hundred and five dollars and fifteen cents*, as exhibited in the statement marked E.

That the ordinary expenditures of the office have been *nineteen thousand four hundred and eighty-one dollars and eighty-three cents*, as by account marked F. These expenses have been increased, for the year 1837, by the purchase of furniture, record-books, &c., destroyed in the fire of December, 1836.

The utmost economy has been used in replacing these articles, and no more have been procured than were indispensably necessary. The furniture has been selected with reference to the new building, when the same shall be completed and fit for use.

The number of patents issued during the year 1837 is less than in some preceding years. This is to be attributed chiefly to the operation of the new law, which subjects all applications for patents to a careful examination as to the originality of the invention claimed. Power is given to the

Commissioner to refuse a patent, if the invention is not deemed sufficiently useful ; but this power is seldom exercised, and is confined to cases where the patent may be in some way injurious, the improvement frivolous, or where an attempt is made to avoid a prior patent. It is the intention of the Commissioner to err (if at all) on the side of liberality, leaving the parties affected to the courts, to contest their doubtful rights. About one-third of the applications made have been rejected, and very few pass without important alterations. In all cases of rejection, an appeal can be made from the decision of the Commissioner ; but no such appeal has yet been taken.

The destructive fire, in December, 1836, has occasioned unavoidable delay in discharging the duties of the office. The undersigned, however, has the satisfaction to state, that, by great exertions, the regular business is nearly brought up ; but that, to accomplish this, he has been compelled to employ some extra assistance.

The business of the office has increased, and will doubtless continue to increase with the growth of the country ; and the present number of clerks is inadequate to perform all the duties appertaining to patents. I would also remark, that the preparation of copies for judicial purposes, as well as other duties, often requires despatch. If the Commissioner were authorized to employ temporary aid in such emergencies, allowing no more compensation than is established by law, this authority would prevent such frequent interruption of the regular clerks, and secure the public against claims for services not performed.

The labor of the clerks employed in this office has, for the most part, been severe—as much so as that of those who were embraced in the compensation act of last session ; and I deem it but just to suggest their equal claim to the additional per centage which, by that act, was granted to others.

The revenue of the office will meet all its necessary disbursements, and it is highly desirable that its business be performed without delay.

Considerable progress has been made in restoring the lost models and records, in conformity with the act of Congress for that purpose ; some of the most valuable of the models have been restored, and others contracted for. The collection already made is becoming interesting, and shows a great improvement in their construction.

The commissioners appointed to designate those models which are the most important, and the compensation to be given for the same, have adopted measures to accomplish this object. Notices on this subject have been published in almost all the newspapers in the Union.

The present accommodations do not furnish suitable protection to the models ; hence, many of the best cannot be exhibited until suitable cases are provided for them in the new building ; and patentees feel unwilling to send their models, until better accommodations are furnished, where the same can be preserved.

Each patentee (and the number exceeds ten thousand) has been addressed, personally, through the post office of the place where he resided when the patent was issued. Many, undoubtedly, in consequence of a change of residence, will fail to receive the communication ; but since no patent granted before the fire can be given in evidence without being first recorded anew, this restriction will probably secure the return of the most important. Improvements offered on former patents will, in many cases,

require the furnishing of models of old inventions ; and in a short time the most valuable records, it is hoped, will be restored.

Two thousand patents have been restored, and recorded anew, since January last. The drawings of many of these have been executed by persons in this office, in a style and manner which reflect much credit on the skill of the draughtsmen ; they form already a valuable collection.

Among the losses occasioned by the fire, most deeply regretted, was the destruction of all the papers deposited by *Robert Fulton*. His drawings were executed by his own hand, and formed an interesting part of the records of American genius, establishing for our country the honor of the first successful and practical employment of steam in navigation. This loss has been considered irreparable. I am happy, however, to state, that correct duplicates can doubtless be procured. The fame of Fulton attracted the attention of a foreign Government, for whom, on application therefor, complete copies of his drawings and transcripts of specifications and other papers deposited in this office, were made and transmitted to London, where, it is presumed, copies may be obtained to supply the place of the originals. Measures will immediately be taken to accomplish that object.

The necessity of a library of scientific works, to facilitate the discharge of the duties of the office, needs only to be mentioned to be duly appreciated. Under the former law, no examination as to the originality of inventions was made, and duplicates and triplicates of the same thing were often patented. The public were subjected to daily impositions, and the first inventors were driven into courts to maintain their rights. Now, each application undergoes a careful examination ; it must be compared with caveats already filed, with other pending applications, with patents issued in this country and abroad, and also with the published inventions of the whole world. English, French, and German books must be at the command of this office, in order to make the proper examinations. Fifteen hundred dollars were accordingly appropriated, in the year 1836, for works to be purchased under the sanction of a committee.

This appropriation was designed to add to the existing library ; but that library, with such books as had been already purchased, was unfortunately consumed ; it therefore became necessary to use the remainder of that appropriation to replace books which were on hand before the fire, and to furnish others which were most needed. Additional works of the kind, contemplated when the appropriation was made, are greatly wanted to aid in considering applications for patents. Persons who offer their inventions to be secured by patent, can hardly be satisfied that others have gone before them in the same inventions ; and nothing but the inspection of models and drawings which prove the fact, can ever induce them to relinquish the fond expectations of months, or even years. As the receipts of the office will allow an annual appropriation for a library, such appropriation is respectfully recommended.

The destruction of the Patent Office compelled the Commissioner to seek new accommodations, and an arrangement was accordingly made, with the approbation of the honorable Secretary of State, for the use of a part of the City Hall, where fire-proof rooms were found adapted to the purpose. Every facility on this subject has been afforded by the city authorities, and no rent is required or expected. Some alterations were re-

quisite to accommodate both the Corporation and the Patent Office ; for these, pecuniary remuneration is justly due ; and the undersigned respectfully recommends that measures be adopted to satisfy this claim.

The records destroyed contained an alphabetical as well as classified digest of all the patents granted by the United States. A new record has been nearly completed from sundry authentic documents, with an improved classification. Several copies will be needed for reference in the Patent Office ; and since printed duplicates will be cheaper than manuscripts, I here respectfully suggest the propriety of an appropriation for publishing a new edition as soon as practicable. The expediency of distributing a number of copies to the respective States is also suggested. This would enable those interested to obtain information with less delay to themselves, and much less interruption to the regular business of the office.

It is worthy of remark, that the provisions of the late law authorizing the reception of unpatented models and specimens of manufactures, will do much to increase the collection at the Patent Office. No exhibition in Europe, it is believed, can surpass that which will be found, in process of time, in the building now in a course of preparation for this establishment. The beautiful collections of manufactured articles at the temporary fairs of our large cities may give a faint idea of that great gallery of arts and manufactures which will thus be permanently opened at the seat of Government, where all that is new and interesting will be added from year to year, and carefully preserved. Interest and patriotism will combine to multiply the articles deposited.

The exhibition will be continually increasing in beauty and utility ; and all this, so honorable and advantageous to the country, will be accomplished without any other expense to the public than the trifling charge of transportation from the place of manufacture.

The Patent Office has been greatly subservient to the promotion of the arts and sciences, and its late reorganization will extend, in a much higher degree, its usefulness. Without the encouragement of the patent laws, few inventions would become practically useful. By this encouragement, a stimulus is given to talent and ingenuity, and the result of human effort seems almost incredible. The inventions of the day have proverbially overcome time and space. The numerous manufactories spread over all the country attest the patronage they have received from Government.

Of late, however, inventors have directed their attention, with peculiar interest, to the improvement of the implements of *agriculture*, and many labor-saving machines have been patented, which are of the highest utility to the husbandman. These are rapidly increasing ; and it is scarcely possible to conjecture to what extent the labor of the agriculturist may be diminished, and the products of the country increased, by these improvements.

Already, the process of sowing, of mowing, and of reaping, is successfully performed by horse-power ; and inventors are sanguine in the belief (and probably not without reason) that the time is not far distant when ploughing machines will be driven by steam, and steam-power applied to many other operations of the husbandman. Implements of this kind will all be collected and exhibited at the Patent Office, and, from the resort of thousands to the seat of Government during the session of Congress, a

knowledge of their use and practical application will be extended over the whole country. A subject intimately connected with this, is the aid which husbandry might derive from the establishment of a regular system for the selection and distribution of grain and seeds of the choicest varieties for agricultural purposes.

For commerce and manufactures, much has been done ; for agriculture, the parent of both, and the ultimate dependence of the nation, much remains to be done. Husbandry seems to be viewed as a natural blessing, that needs no aid from legislation. Like the air we breathe, and the element of water, which sustain life, the productions of the soil are regarded by too many as common bounties of Providence, to be gratefully enjoyed, but without further thought or reflection. Were the two former susceptible of the same improvement with the latter, who would not rejoice to enrol his name high on the list of philanthropists, by making the first experiment ?

This subject has been forced on the attention of the undersigned by those who are engaged in improving our implements of husbandry. The Patent Office is crowded with men of enterprise, who, when they bring the models of their improvements in such implements, are eager to communicate a knowledge of every other kind of improvement in agriculture, and especially new and valuable varieties of seeds and plants. Hence, the undersigned has been led to receive and distribute, during the last two years, many articles of this kind which have been committed to his care ; and experience has induced him to believe that there is no spot in the Union so favorable to this object as the seat of Government.

The great desideratum at the present time seems to be, that some place should be designated and known as the depository of all articles of this kind, and from whence they may be dispensed to every part of the United States.

Our citizens who are led by business or pleasure into foreign countries, and especially the officers of our navy and others in public employment abroad, would feel a pride in making collections of valuable plants and seeds, if they could be sure of seeing the fruits of their labors accrue to the benefit of the nation at large. But, hitherto, they have had no means of distributing, to any extent, the valuable productions of other climates, which patriotism or curiosity has led them to introduce into our country. To a great extent, they have perished on their hands, for want of some means of imparting to the public the benefit they had designed to confer. Those who have not considered the subject in its wide details, are very imperfectly qualified to judge of its importance.

The introduction of a new variety of wheat promises the most gratifying results in securing that important and indispensable production from the destructive effects of our severe winters.

A short time since, the most eastern State of our Union was, in a measure, dependent on others for her bread-stuffs. That State is now becoming able to supply its own wants, and will soon have a surplus for exportation ; and this is effected by the extensive introduction of spring wheat. Among the varieties of this wheat, however, there is great room for selection : there is at least 20 per cent. difference, if regard is paid to the quality and quantity of the crop.

From experiments made the last summer, there can be no doubt that the crop of Indian corn may be improved at least one-third, without any

extra labor; and this, effected by a due regard only to the selection of seeds.

And here it may be mentioned, that an individual has devoted twenty-five years to this single object; and, from our common Indian corn, has produced a new variety, which, if distributed as it ought to be, may prove a great benefit to the husbandman and to the country.

From the samples transmitted to the Patent Office, especially from the shores of lake Superior, there is a moral certainty of a good crop of corn in the higher latitudes, if proper attention is paid to the selection of seeds. Inattention to this subject has lost to the Northern portion of our Union many millions every year. The quantity of flour (wheat or other kind) consumed in the United States is estimated, on the highest authority, at five thousand five hundred millions of pounds: one-half of this is supposed to be wheat; which, at three cents per pound, amounts to over eighty millions of dollars; and the remainder, at one and a half cent only, amounts to over forty millions. If to this be added the vast quantity distilled and employed in the arts, and consumed by domestic animals, a conception may be formed of the importance of our crop of grain. If, then, the quantity should be increased only 10 per cent. by improving the seed, the annual gain to the country, from this source alone, would not be less than from fifteen to twenty millions of dollars. It is unnecessary to carry out this estimate to the other productions of the vegetable kingdom; the result would be the same in all. The well-directed efforts of a few years might give to this generation what would not otherwise be enjoyed in the present century.

It may not be improper to add, that, if this nation should desire to make her metropolis the seat of science and the arts, this might be easily accomplished. The collections of mineralogical specimens from every section of our widely-extended territory, will, it is believed, furnish a most interesting exhibition, illustrative of the geology of the country and of its mineral resources.

The natural and practical sciences, as well as the arts, have usually found their best patron in the munificence of a wise Government. An apartment in the new building could be appropriated to the above object, in connexion with an agricultural depository.

The undersigned will be pardoned for offering these considerations in favor of agriculture, as they have been forced upon him in the discharge of his official duties; and as Congress has required him to make such suggestions, respecting the interests committed to his care, as may seem important to the public good, he will continue to do all in his power to promote the secondary, though important, object which has thus become, in some degree, connected with the Patent Office; in the full belief that Congress will find it for the public interest, either now or at some future period, to give a more definite character to the measures which have thus been commenced for this most important object.

Very respectfully, your obedient servant,

HENRY L. ELLSWORTH,

Commissioner of Patents.

HON. JAMES K. POLK,

Speaker of the House of Representatives.

CLASSIFIED LIST OF PATENTS

GRANTED

DURING THE YEAR 1837;

WITH

THE NAMES OF PATENTEES, &c.

CLASS I.—AGRICULTURAL—INCLUDING INSTRUMENTS AND OPERATIONS.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Cradle for cutting hemp	-	-	1837.
Cotton plants, machine for thinning	-	Wilson L. Larimore	April 25.
Corn, machine for husking	-	John Weaver	July 5.
Cloverseed, thrashing	-	Jonathan Cutler	July 31.
Cloverseed, hulling of	-	Jonathan Brooks	December 15.
Excavating machine	-	William M. Barton	December 20.
Garlick, separating from grain	-	Thomas Clayton	December 1.
Hay, machine for elevating	-	Henry Staub	November 11.
Lime, &c., machine for spreading	-	George Wilbur	July 17.
Lime, &c., spreading and sowing	-	Francis H. Smith	July 5.
Mowing and reaping grain, &c.	-	Levi Rice	August 31.
Mowing and reaping machine	-	Alexander M. Wilson	May 15.
	-	Alexander M. Wilson	Renewed June 10. Patented Dec. 30, 1835.
Plough, improvement in	-	Bancroft Woodcock	June 14.
Plough, improvement in	-	Samuel Hartpence and J. D. Bowne	July 5.
Plough, improvement in	-	John C. Smith	July 11.
Plough, self-sharpening	-	Job B. Norton	July 17.
Plough, improvement in	-	Isaac Snider	July 29.
Plough, improvement in	-	John Deats	July 31.
Plough, improvement in	-	Bancroft Woodcock	Nov. 14. Reis-

Plough, improvement in	-	Stephen McCormick	-	Auburn, Virginia	sued Nov. 23.
Rake, in the revolving hand	-	Stephen Coats	-	Shoreham, Vermont	December 1.
Rice, hulling and scouring	-	Charles H. Harvey and Erastus Tracy	-	Poughkeepsie, N. Y.	April 17.
Rake, horse	-	David Dewey	-	Poultney, Vermont	May 30.
Scythe snath	-	Dexter Pierce	-	Montague, Mass.	November 23.
Straw-cutting machine	-	Henry Sillman	-	Perry village, N. York	March 11.
Separating wild peas, &c., from grain	-	Lester Butler	-	Cobleskill, New York	March 30.
Smut machine	-	Charles D. Childs	-	Mount Morris, N. Y.	June 3.
Smut from wheat, separating	-	Benjamin M. Smith	-	Rochester, New York	August 15.
Thrashing and winnowing grain	-	Moses Davenport	-	Phillips, Massachusetts	Sept. 8; ante-
Thrashing and cleaning grain	-	John A. Pitts and Hi-	-	Winthrop, Maine	dated Aug. 1.
Winnowing, cleaning, &c., grain	-	ram A. Pitts	-	Alfred, Maine	November 23.
Yoke for horses and oxen	-	Markwell Thomas	-	Windor, New York	Dec. 29, ante-
	-	Gideon Hotchkiss	-		dated June 29.
	-		-		May 30.
	-		-		August 31.

CLASS 2.--MANUFACTURES OF FIBROUS AND TEXTILE SUBSTANCES,

Including the machines for preparing and manufacturing the fibres of cotton, wool, silk, &c.

Bodies to hats of fur, making	-	Henry A. Wells, James	-	Brooklyn, New York	September 20.
Breaking and cleaning flax and hemp	-	James, & Rob. W. Peck	-		
Batting or web for hat bodies	-	David M. Longley and Samuel Davis	-	Westbrook, Maine	September 21.
Cleaning burs from wool, &c.	-	Henry A. Wells, James	-	Brooklyn, New York	September 22.
	-	James, & Rob. W. Peck	-	Poughkeepsie, N. Y.	December 20.
	-	Erastus Tracy	-		

LIST OF PATENTS—CLASS 2—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Cotton gin - - -	Alexander Jones -	New Orleans, Louisiana.	1837.
Ginning cotton - -	John Stevens -	Poughkeepsie, N. York	April 25.
Ginning cotton - -	Lucilius H. Moseley -	Poughkeepsie, N. York	November 25.
Hat bodies, manufacture of -	Hugh Moore -	City of New York -	November 25.
Hat bodies, batting or web for -	Thomas Blanchard -	City of New York -	April 20.
Hemp and flax breaking - -	John Warren -	City of New York -	June 14.
Hemp, machine for hackling -	Phineas G. Rice and Gabriel Rice -	Westbrook, Maine -	June 14.
Hemp and flax breaking - -	Harvey Lull -	Danville, Kentucky -	July 11.
Hemp and flax breaking and dressing	Chapman Warner, Abraham T. Mixsell, and Edwin J. Horn -	Ithaca, New York -	June 14.
Hemp and flax dressing machine -	William Brittain and Robert Brittain -	Belvidere, N. Jersey -	July 31.
Hair seating, weaving of - -	Charles R. Harvey -	Arnwell, New Jersey -	October 12.
Knitting machine - - -	John McMullen and Joseph Hollen, jr. -	Poughkeepsie, N. York	November 25.
Lace, power loom for weaving -	Erastus B. Bigelow -	Sinking valley } Pa. Logan's valley }	February 11.
Loom for weaving fabrics - -	Christian W. Schonherr -	West Boylston, Mass. -	April 20.
Loom, common crank power - -	Enoch Burt -	Subject of the King of Saxony -	May 8. Ante- dated Mar. 21.
Loom, figure power - - -	William Crompton -	Manchester, Con. -	Aug. 8. Ante- dated Feb. 10.
Shuttle tongue for securing the cap of woof	Comfort B. Thorp -	Taunton, Mass. -	November 25.
Spinning, woollen roving - -	Edgar M. Titcomb -	Smithfield, R. I. -	April 17.
		Andover, Mass. -	July 29.

Saw cylinder for cotton gins	-	Jacob Idler	-	Philadelphia, Penn.	December 1.
Thread waste, reducing to cotton wool	-	Ogden Griswold	-	Hartford, Con.	July 17.
Temples, self-adjusting, for looms	-	Samuel P. Mason	-	Newport, R. I.	July 22.
Thread waste, reducing into cotton wool	-	William Gray	-	Hebron, Con.	July 29.
Teazling and napping cloth	-	Benjamin Swasey	-	Mount Vernon, Vt.	August 8.
Thread going to waste, &c., preventing	-	John Golding	-	Dedham, Mass.	August 15.
Treadles and harness for weavers	-	Benjamin Hartford and Wm. B. Tilton	-	Enfield, N. H.	December 29.
Wool of burs, &c., cleaning -	-	J. Wolcott, jr. and Chas. W. Brown	-	Roxbury, Mass.	October 18.
Yarn beam in the power-loom, regulating the motion	-	Welcome A. Potter	-	Cranston, R. I.	November 23.

CLASS 3.—GENERAL MANUFACTURE OF METALS,

And instruments therefor, including smiths' forges, furnaces, and implements for casting, nail and screw machines, locks and hardware generally; cutlery and working tools in whole, or in part, of metal.

Bench and other vices	-	Cyrus Dean	-	Utica, N. Y.	February 16.
Blow-pipe for blast furnaces	-	John Barker	-	Baltimore, Md.	March 3.
Brads and nails, machine for cutting	-	Joseph Berry and Oliver P. Rand	-	Newmarket, N. H.	March 30.
Bending tire of wheels	-	Thomas C. Barton	-	City of New York	July 31.
Cutting leather, machine for	-	Levi N. Leland	-	Grafton, Mass.	September 28.
Clasp and lock for mail-bags	-	Henry C. Jones	-	Newark, N. J.	October 23.
Clamps used in shoemaking	-	Richard Emens	-	Mansfield, N. J.	October 6.
Door-plates, mode of making	-	William C. Austin	-	Greensville, Va.	January 31.
Drilling the tire of wheels	-	Thomas C. Barton	-	City of New York	July 31.
Double-centred joints, butts, &c.	-	Egbert Hedge	-	Hartford, Con.	November 23.
Door springs	-	Thomas Thorpe	-	West Cambridge, Mass.	December 7.
Furnace, concentrating, for smelting ores	-	George E. Sellers	-	Philadelphia, Penn.	April 20.

LIST OF PATENTS—CLASS 3—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Furnace, mode of applying the blast	John Barker -	Baltimore, Maryland	1837.
Furnaces, manufacturing shear steel, &c.	Simeon Broadmeadow -	City of New York	April 20.
Furnaces, smelting ore	Simeon Broadmeadow -	City of New York	April 5.
Fastenings for harness	Warner Hayden -	New Milford, Penn.	April 5.
Fastenings, combined spring	Philippe F. Hazard -	Philadelphia, Penn.	January 21.
Fastenings for saddle-bags, &c.	Alvin North -	North Britain, Con.	July 11.
Fastenings for window blinds	Elijah Jaquith -	Brattleborough, Vt.	December 29.
Glass knobs to metallic sockets, method of attaching	Enoch Robinson and G. W. Robinson -	Boston, Massachusetts	December 26.
Holdback, for sleds	James Andrews -	Camden, Maine	October 20.
Horse shoes, making	Barzillai Young and S. Titus -		February 16.
Iron or other ores, machine for washing	Frederick Fredly -	Brooklyn, Connecticut	July 29.
Iron, carbonating and smelting	Asa Whitney -	Logan township, Pa.	April 20.
Joints for rules, double-centred	Lemuel Hedge -	Southfield, New York	July 17.
Locks for doors, &c., constructing	James McClory -	Hartford, Connecticut	April 29.
Locks for doors, &c., constructing	Turner Whitehouse -	City of New York	June 14.
Mortise latch for fastening doors	Charles S. Gay -	Boston, Massachusetts	September 8.
Mortise latch for fastening doors	David N. Ropes -	Nashua, N. H.	September 28.
Rivets, machine for making	Levi Severance -	Portland, Maine	September 28.
Screws of screw bedsteads, machine for cutting	Palmer Williams -	Pittsburg, Penn.	July 11.
Springs for spring-seat saddles	Henry Sheets -	Towanda, Penn.	February 16.
Spoke shave	Ira L. Beckwith -	Staunton, Virginia	March 30.
Screw-cutting machine	Joseph Blackall -	Quincy, Massachusetts	April 29.
Smelting iron ores	Joseph Lyon -	Albany, New York	July 29.
		Pottsville, Penn.	July 31.

Spring for shutting doors	-	Ithiel S. Richardson	-	Boston, Massachusetts	October 20.
Secret safety lock	-	William Hobbs	-	Springfield, Mass.	December 20.
Wood-screws, nicking and turning the heads	-	Thomas W. Harvey	-	Poughkeepsie, N. Y.	March 25.
Wire, machine for cutting and heading	-	Thomas W. Harvey	-	Poughkeepsie, N. Y.	March 25.
Wood-screws, machine for cutting	-	Jacob Sloat and Thomas Springsteen	{	Ramapo, } N. Y.	March 30.
Window sash, spring for upper	-	Hervey Hammond	-	Poughkeepsie, Penn.	September 8.
Wrought nails, machine for manufacturing	-	Nath'l W. Bishop and Simeon Brooks	{	Saybrook, } Conn.	September 21.
Wood-screws, manufacturing of	-	Clement O. Read	-	Chester, Providence, R. Island	December 15.

CLASS 4.—ARMS AND IMPLEMENTS OF WAR, AND PARTS THEREOF.

Cast-iron cannon, art of manufacturing	-	Cyrus Alger	-	Boston, Massachusetts	May 30.
Fire-arms, construction of, and mode of loading	-	Thomas McCarty	-	Elmira, New York	March 11.
Fire-arms	-	Elijah Fisher and D. H. Chamberlain	{	Springfield, } Mass.	April 17.
Fire-arms, the many-chambered	-	Daniel Leavitt	-	Boston,	April 29.
Fire-arms, the many-chambered	-	John W. Cochran	-	Cabotsville, Mass.	April 29.
Fire-arms, the many-chambered cylinder	-	John W. Cochran	-	City of New York	May 8. Ante- dated Ap'l 28, 1837.
Fire-arms and ordnance	-	Henry C. Fay	-	Lancaster, Mass.	May 22.
Fire-arms, many-chambered cylinder	-	Otis W. Whittier	-	Enfield, N. Hampshire	May 30.
Fire-arms, improvement in	-	Harry Harrington	-	Southbridge, Mass.	July 29.
Fire-arms, self-loading and priming	-	Silas Day	-	New York city	August 31.
Fire-arms, many-chambered	-	Curtis Parkhurst	-	Lawrenceville, Penn.	September 25.
Gun-carriages on board of ships	-	John Bubier	-	Marblehead, Mass.	October 20.
Knives to dirks and pistols	-	Robert W. Andrews	-	Stafford, Connecticut	July 31.

LIST OF PATENTS—CLASS 4—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Locks for fire-arms -	-	-	1837.
Locks for fire-arms -	Ethan S. Chapin	Stafford springs, Con. -	July 17.
Pointing cannon -	Ethan Allen	Grafton, Massachusetts	November 11.
Pistol knife or cutlass	John Hobday	Portsmouth, Vermont -	May 30.
Pistol sabro	George Elgin	City of New York -	July 5.
	Robert B. Lawton	Newport, Rhode Island	November 23.

CLASS 5.—STEAM ENGINES,

Boilers and furnaces therefor, and parts thereof, to whatever purpose applied.

Blowing fire in locomotive steam engines	-	Baltimore, Maryland	July 29.
Framing locomotive steam engines -	-	Baltimore, Maryland	July 29.
Heating water for steam engines -	-	Baltimore, Maryland	July 29.
Locomotive steam engine -	-	Baltimore, Maryland	July 29.
Locomotive steam engines -	-	Baltimore, Maryland	July 29.
Locomotive engines	-	Philadelphia, Penn.	December 26.
Metallic piston for steam-engine pumps	-	City of New York	March 30.
Packing piston of steam engines -	-	City of New York	August 31.
Puppet valves to work light, &c.	-	Baltimore, Maryland	September 25.
Rotary steam engine	-	Fairfield, Connecticut	April 25.
Rotary steam engine	-	Collins, New York	July 29.
Rotary steam engine	-	Lockport, New York	August 8.
Steam engine, air pump for	-	City of New York	May 15.

Steam boilers, preventing bursting	-	Augustus Eitelgeorge	-	Cincinnati, Ohio	May 22.
Steam boilers, generating steam	-	James I. Rush	-	Philadelphia, Penn.	June 3.
Slide valve for steam engines	-	John Kirkpatrick	-	Baltimore, Maryland	September 22.
Steam boiler	-	James M. Whittemore	-	Brighton, Massachusetts	November 23.
Steam generator	-	William Creed	-	Boston, Massachusetts	December 26.

CLASS 6.—MATHEMATICAL, PHILOSOPHICAL, AND OPTICAL INSTRUMENTS,

Including clocks, watches, chronometers, &c.

Circumferenter, improvement in	-	James McCann	-	New Market, Virginia	December 20.
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CLASS 7.—CIVIL ENGINEERING,

Comprising works on rail and common roads, bridges, canals, rivers, viers, dams, and other internal improvements.

Ascending and descending inclined planes, &c.	-	Elisha F. Aldrich	-	City of New York	October 12.
Bridges, construction of	-	Francis Good	-	New London, Penn.	November 4.
Iron rails on timbers of railway, constructing and fastening	-	Peter Henry Dreyer	-	New York	October 18.
Rail for railways	-	John Ruggles	-	Thomaston, Maine	May 22.
Railroads, mode of constructing	-	Isaac Cooper	-	Johnstown, Penn.	July 22.
Railroad frog	-	George S. Griggs	-	Roxbury, Mass.	July 31.
Single railroad, mode of constructing	-	Uri Emmons	-	Freehold, New Jersey	April 17.
Turnabout for railroads	-	Jeremiah Myers	-	Attleborough, Mass.	May 8.
Road stops, preventing cattle from crossing railroads	-	Thomas J. West	-	Whitehall, Virginia	March 11.

LIST OF PATENTS—Continued.

CLASS 8.—LAND CONVEYANCE,

Comprising carriages, cars, and other vehicles used on roads, and also parts of such vehicles.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Axle and thorough boxes for carriages	William Slicer	Baltimore, Maryland	1837.
Axletrees, &c., setting	Timothy Fessenden	Boston, Massachusetts	July 5.
Carriages, construction of	S. C. Brown & L. J. Hicks	Macedon, New York	September 25.
Cars or carriages, mode of connecting	Robert Grant	Philadelphia, Penn.	July 17.
Carriage and wagon wheel hubs	Abraham Randel	Vernon, New York	July 22.
Circular railroad and car	James Rowe	Triana, Alabama	September 8.
Carriages, water-proof mail	Basil R. Pleasants	Brookville, Maryland	October 28.
Driving wheels of locomotive engines	Andrew M. Eastwick	Philadelphia, Penn.	December 7.
Hubs for wheels	Howard Delano	Skaneateles, New York	November 20.
Locomotive power engine for removing houses	Stephen Compton, jr.	Elmira, New York	October 28.
Link, self-separating, &c.	Conrad H. Hunt and William Browne	Fredericksburg, Va.	July 31.
Railroad cars	Gustavus Plantou, adm'r of Alex. Plantou, dec'd	Philadelphia, Penn.	December 26.
Railroad cars and canal boats, mode of conveying up and down inclined planes	Gideon Brown	City of New York	June 3.
Spiral springs to elliptical or bow springs for carriages	William Craasdale	Hartsville, Penn.	October 6.
Supporting the bodies of railroad cars, &c.	Richard Inlay	Philadelphia, Penn.	February 3.
Springs for carriages	Porter Hill	Veteran, New York	September 21.
Safety railroad cars	William Kinkead	Elkton, Maryland	November 25.
Wheels of locomotives for ascending inclined planes	Elisha Towt	Montpelier, Vermont	December 29.
			July 31.

Comprising all vessels for conveyance on water, their construction, rigging, propulsion, &c.

Boats for canals, bays, &c.	-	Abraham Morrison	-	Johnstown, Penn.	May 15.
Capstans for ships, &c.	-	Increase Wilson and Francis D. Beckwith	-	New London, Con.	June 15.
Dry dock, floating	-	James Barron	-	Philadelphia, Penn.	July 17.
Dry dock, floating	-	John Thomas	-	City of New York	December 20.
Ice-breaker	-	Barnabas S. Gillespie	-	City of New York	March 8.
Mallet, serving and worming	-	John B. Petitval	-	Charleston, S. Carolina	July 11.
Propelling boats on canals, &c.	-	John Finlay	-	Baltimore, Maryland	April 17.
Paddle-wheels for propelling boats, &c.	-	Jesse Ong	-	North Huntingdon, Pa.	May 22.
Paddles used as ice-breakers	-	Washington Van Dusen	-	Kensington, Penn.	May 29.
Paddle-wheels for propelling steamboats	-	William A. Douglas	-	Albany, New York	July 31.
Paddle-wheels for propelling boats	-	John James Greenough	-	Boston, Mass.	August 18.
Pumps for ships, mode of working (see class 10)	-	David Gay	-	Bath, Maine	September 8.
Parcelling rope	-	Obed Kempton	-	New Bedford, Mass.	Sept. 25. Antedated Mar. 25.
Sounding instrument for ascertaining the depth of water in seas	-	John B. Ogden and John Erieson	-	N. Jersey, subject of the kingdom of Sweden	July 19.
Ship building	-	Samuel E. Howell	-	Vincen-ton, N. J.	August 31.
Steering apparatus for ships	-	Samuel Nicolson	-	Boston, Mass.	September 12.
Steering wheel for ships, &c.	-	Andrew Morse	-	Boston, Mass.	December 1.
Vessels used as life-preservers	-	John McIntosh	-	City of New York	November 11.

LIST OF PATENTS—Continued.

CLASS 10.—HYDRAULICS AND HYDROSTATICS,

Including mill wheels and other implements operated by water, or employed in the retaining, raising, distribution, or delivery of fluids.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Compressed air for drawing liquors	Jasper Johnson	Genesee, New York	1837.
Hydraulic current wheel	Warren P. Wing	Greenwich, Mass.	May 30.
Horizontal water wheel	Chapman Warner	Oxford, New Jersey	September 22.
Horizontal water wheel	Samuel Curtis	Eagle, New York	September 22.
Measuring fluids, machine for	James Bogardus	New York	December 15.
Pumps, preventing water from freezing	Samuel Adams	Townsend, Mass.	October 12.
Pumps, mode of working, for pumping ships. (See class 9.)	David Gay	Bath, Maine	March 11.
			September 8.
Pumps, double acting forcing	Dudley L. Farnham	New York	October 23.
Pumps, force and suction	Abraham Kasslar	Canajoharie, N. York	October 28.
Pumps, suction and force	Jonathan Stevens	Newark, New Jersey	December 20.
Reacting water wheels	Gideon Hotchkiss	Windsor, New York	January 9.
Rainwater cisterns	George O. Blenis	Salina, New York	August 18.
Reaction water wheel	Nelson Johnson	Erwin centre, N. York	November 23.
Spiral bucket water wheel	Joseph C. Green	Fayette, Maine	May 30.
Tub wheel	David P. Napier	Liberty, Kentucky	May 22.
Tongs or grappling iron for raising bodies, &c.	Ebenezer Lobdell and Thomas Lobdell	Plympton, } Mass. Boston, }	August 18.
Valves for pumps	Henry Heckman	Newburg, Penn.	July 17.
Water wheel, construction of	Nehemiah P. Stanton	Syracuse, New York	May 22.
Water wheel, construction of	C. Parker & R. W. Engle	Wayne township, Ohio	July 31.

Water wheel, mode of letting the water on -	-	Samuel Curtis	-	Eagle, New York	-	September 28.
Water wheel - - - - -	-	Charles Goulding	-	Mobile, Alabama	-	December 15.

CLASS 11.--MILLS, AND PARTS THEREOF,

Irrespective of the power by which they are moved and the purpose to which they are applied.

Band wheel, mode of hanging	-	Isaac Staub	-	Lewistown, Penn.	-	July 11.
Bark mill - - - - -	-	Charles Parker	-	Meriden, Connecticut	-	November 25.
C asps in sawmill gate	-	Henry Johnson and Nelson Johnson	-	Erwin, New York	-	May 15.
Coffee mill	-	Hiram Twiss	-	Meriden, Con.	-	June 19.
Cutting shingles, staves, &c.	-	George Pack	-	Peterboro', N. Y.	-	November 11.
Cutting staves for barrels, &c.	-	Thomas Peck	-	Lenox, N. Y.	-	November 20.
Frame work of portable horse power	-	John A. Nelson and James P. Ross	-	Lewisburg, Penn.	-	June 30.
Gauges of machines for sawing shingles	-	Elkanah Leonard	-	Canton, Maine	-	November 4.
Grinding grain	-	Oliver Wyman	-	East Cambridge, Mass.	-	December 20.
Horse power	-	Levi Rice	-	West Chester, Penn.	-	July 17.
Horse power, application of	-	Levi Rice and David Congdon	-	West Chester, Penn.	-	July 17.
Horse or other animal power	-	Barnabas Langdon	-	Troy, New York	-	July 19.
Horse power, endless chain	-	Jacob G. Hall	-	Zanesville, Ohio	-	September 21.
Horse power, endless chain	-	Aaron Palmer	-	Akron, New York	-	September 22.
Horse power, endless chain	-	Henry G. Hall	-	Putnam, Ohio	-	September 28.
Horse power to machinery	-	Henry Smith	-	Bethel, Ohio	-	October 6.
Horse power	-	Benjamin Hinkley	-	Fayette, Maine	-	November 25.
Mills, manufacturing of grain	-	Jesse C. Smith	-	Lacon, Illinois	-	Jan. 9, 1830; re- issued Sept. 25.

LIST OF PATENTS—CLASS 11.—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Mills, construction of	-	-	1837.
Saving staves for barrels	-	Boston, Mass.	November 23.
Saving shingles	-	Brutus, New York	March 3.
Saving clapboards	-	Burrillville, R. Island	March 25.
Saving shingles	-	Milford, N. Hampshire	June 3.
Shingles, dressing and smoothing	-	Milford, N. Hampshire	June 3.
Shingles, &c. cutting from steamed timber	-	Union, New York	July 29.
Shingles, shaving	-	Lodi, New York	August 15.
Shingles, sawing	-	Sparta, Pennsylvania	November 4.
Saw mills	-	Contoocookville, N. H.	December 1.
Sawing through trees, machine for	-	Philadelphia, Penn.	December 1.
Saving staves, &c.	-	City of New York	December 7.
Windmill	-	New Marlboro', Mass.	December 20.
Windmills	-	Wenham, Mass.	August 31.
	-	Cairo, New York	November 23.

CLASS 12.—PRESSES,

For printing, packing, expressing, &c.; windlasses, cranes, jacks, &c.; and other mechanical contrivances for raising weights, &c.

Brick press	-	Bath, Maine	November 20.
Cotton press	-	Clinton, Mississippi	June 3.
Cast-iron press cases for tobacco	-	Richmond, Virginia	June 30.
Flour-packing and pressing	-	Rochester, New York	March 30.

Press for pressing rolled tobacco	-	James T. Bowman	Pattonburg, Virginia	July 5.
Press for pressing cheese	-	Sullivan White	Bridgewater, Vermont	August 15.
Press for pressing hay	-	Jacob Grosvenor	City of New York	August 31.
Rotary press for pressing woollen goods, &c.	-	Moses Bayley	Salisbury, Massachusetts	July 5.
Standing press	-	Joel Barnes	Philadelphia, Penn.	April 17.
Tobacco, press for pressing	-	James H. Washington	Baltimore, Maryland	October 12.

CLASS 13.--PREPARING BUILDING MATERIALS,

And also implements for working wood, &c. for various purposes; including planing and mortising machines, making mortars and cements, bricks, dressing stone, &c.

Boring and mortising machine	-	John H. Power	Norwalk, Ohio	January 31.
Bricks, making and drying	-	James Hodges	Fair Play, S. Carolina	June 3.
Boring and mortising wheel-hubs	-	James Tompkins	Conesville, New York	October 6.
Brick mould, used in pressing brick	-	Benjamin H. Brown	Alexandria, D. C.	October 23.
Bricks, machine for making	-	Gaylord V. Harper	Franklinville, N. York	October 23.
Boring hubs of wheels	-	James Hinds	Troy, New York	November 25.
Cutting and dressing granite	-	William C. Poland and Earl Blossom	Portland, Maine	November 11.
Facing and dressing stone	-	David Hull and John Critcherson	Portland, Maine	May 8.
Fire brick, composition of matter for—(vid. class 19)	-	Christopher W. Fenton	Bennington, Vermont	September 22.
Mortising posts and shaping rails	-	Wandle Mace	City of New York	March 11.
Mortising timber	-	Thomas H. Hoskings	Springfield, Ohio	June 30.
Moulding and pressing brick	-	Nathaniel Adams	Cornwall, New York	September 8.
Moulding and pressing brick	-	Henry Waterman	Baith, Maine	November 4.
Planing boards, &c.	-	Samuel Whitney	Dunstable, N. Hampshire	June 3.
Planing mouldings on wood, &c.	-	Ambrose Church, jr.	Canandaigua, New York	July 29.

LIST OF PATENTS—CLASS 13—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Pressing brick	Andrew F. Mervine	St. Louis, Missouri	1837.
Planing machine	Alonzo G. Hull	Brooklyn, New York	September 12.
Stones, mode of dressing	Nathan Jacobs	Newark, Ohio	September 20.
Stone, cutting, dressing, and polishing	John D. Buzzell	Cape Elizabeth, Maine	March 11.
Stone, cutting and dressing	Mighill Nutting	Portland, Maine	June 2, 1836; re-issued May 15.
Shingles, riving, planing, and jointing	Enoch R. Morrison	Pittsburg, Pennsylvania	May 15.
Stone, artificial	Joseph Woodhull	Wheatland, New York	Aug. 8. Ante-dated June 15.
Turning mouldings and beads	Eli Coddington	Thompson, New York	Dec. 15. Ante-dated June 15.
Veneers, machine for cutting	Joseph Skinner	Stockbridge, Mass.	July 31.
			September 21.

CLASS 14.—LEATHER,

Including tanning, dressing, and manufactures into which leather enters as a principal component part—such as saddlery, boots, shoes, &c.

Bow and worm-spring to saddles	Jonathan Keedy	Russelville, Kentucky	August 18.
Crimping leather for bootlegs	Jesse Van Winkle	Rochester, New York	April 17.
Crimping leather for boots	Moses S. Woodward	Marshallton, Penn.	July 31.
Coloring and finishing leather	Harman Hibbard	Attica, New York	December 15.
Cutting fur from skins	Samuel Johnson	Walnut Lane, N. C.	February 24.
Hides, machine for breaking and softening	Eli Kendall	Newton, Massachusetts	June 10.

Harness for horses in shafts	-	Robert Beale	City of Washington, D. C.	June 15.
Hides, machine for scraping	-	Reuben Shailer	Haddam, Connecticut	June 19.
Saddle for removing the sick	-	Hezekiah L. Thistle	City of New Orleans	January 21.
Saddle, spring-seat riding	-	Robert Wilson	Milton, Pennsylvania	March 11.
Saddles, spring	-	John G. Manlove	Bainbridge, Ohio	March 25.
Saddle, in the spring	-	Moses Baldwin	Cincinnati, Ohio	April 29.
Saddle-trees, manufacture of	-	William Kelly	New Columbus, Penn.	May 30.
Skins, extracting hair from	-	Edward Flint	City of New York	June 30.
Skins, process of removing wool	-	Benjamin F. Emery	Bath, Maine	July 31.
Saddles, spring	-	Harman C. Fisher	Warwick, R. Island	November 25.
Spring saddle	-	John D. Payne	Warm Springs, Virginia	November 25.
Trunks and valises	-	Mathias Steiner	City of New York	December 20.

CLASS 15.—MANUFACTURE OF BOOKS, PAPER, &c.,

Including types, printing, binding, ruling, and implements and processes connected therewith.

Book binding	-	William Hancock	Great Britain	October 28.
Binder for binding newspapers, &c.	-	Ezra Ripley	Troy, New York	December 26.
Printing both sides of a continuous sheet of paper	-	Thomas Trench	Ithaca, New York	November 20.
Sizing paper	-	John Ames	Springfield, Mass.	December 1.

LIST OF PATENTS—Continued.

CLASS 16.--HOUSEHOLD FURNITURE,

And implements used in domestic economy, whether of wood, metal, or other material; including stoves, grates, washing machines, lamps, &c.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Air to wood and coal stoves	-	-	1837.
Cooking stoves	Frederick A. Pickardt	Easton, Penn.	Sept. 25. Antedated Mar. 25.
Cooking apparatus	-	-	January 31.
Cooking stove	Benjamin H. Wood	Bath, Steuben co., N. Y.	March 11.
Cooking stoves	William W. Parrott	Boston, Massachusetts	July 19.
Coal cooking stove	Abraham T. Mixsell	Belvidere, New Jersey	July 29.
Cooking stove	Edwin Reed	West Bridgewater, Mass.	July 29.
Cooking stove	William Kinney	Louisville, Kentucky	January 29.
Cooking stove	James Richardson	Poultney, Vermont	August 8.
Cooking stove	Samuel Utter	City of New York	August 31.
Cooking stove	John S. Leavitt	Turner, Maine	October 18.
Cutting meat	Elijah Skinner	Sandwich, N. H.	November 20.
Combination cooking stove	John Morris	Derby, Connecticut	November 20.
Cooking stove	Jordan L. Mott	City of New York	November 20.
Cooking stove	James N. Olney	City of New York	November 23.
Cooking stove	D. Hastings and S. Sikes	Decrfield, Massachusetts	December 1.
Cooking stove	Nathaniel Walker	Dighton, Massachusetts	December 15.
Cooking furnace	Horace Gleason	Boston, Massachusetts	December 20.
Cooking stove	Jesse Hutchinson, jr.	Lynn, Massachusetts	December 29.
Cooking stove	Carington Wilson, jr.	City of New York	July 31.
Drawer, commode, and cupboard door knobs	David Holtman	Baltimore, Maryland	-

Fire-place and grate, open	-	Roger M. Sherman	Fairfield, Connecticut	June 30.
Fuel, mode of burning, &c.	-	Thomas Pearson	Monroe works, N. Y.	July 17.
Fire apparatus for cooking	-	Daniel Stevens	Kitland, Ohio	October 18.
Grates and fire-places	-	Ellison Conger	Newark, New Jersey	July 22.
Grate, revolving and sifting	-	Enos B. M. Hughes	New Haven, Conn.	July 29.
Grates and stoves	-	Edward H. Dixon	City of New York	August 8.
Generating steam for cooking	-	John Bouis	Baltimore, Maryland	September 21.
Galley and cooking stove for vessels	-	Benjamin Spratley	Portsmouth, Virginia	September 25.
Galley and cooking stove, &c.	-	James Barron	Philadelphia, Penn.	October 6.
Heated air to furnaces, &c.	-	John Silsbe	Tyrone, New York	August 8.
Heat to cooking stoves	-	Jonathan G. Hathaway	Painesville, Ohio	December 7.
Lamp	-	Samuel Rust	City of New York	April 20.
Lamps for lighting houses	-	Samuel Rust	City of New York	June 30.
Lamps and lamp-torches	-	Jeremiah Martin	Boston, Massachusetts	June 30.
Mop-heads, construction of	-	Jacob Howe	Worcester, Mass.	June 15.
Ovens for stoves	-	David W. Barker	Clyde, New York	July 29.
Patent lamp	-	Samuel Rust	City of New York	September 25.
Quadrant-hinge for stove	-	Ebenezer Barrows	Boston, Massachusetts	August 31.
Register and air-box for grates, &c.	-	Allen Pollock	Boston, Massachusetts	March 3.
Railway oven	-	Sewall Short	Nantucket, Mass.	September 6.
Smoke stacks	-	James Stimpson	Baltimore, Maryland	April 17.
Stove radiators	-	Ethan A. Andrews	Boston, Massachusetts	May 30.
Stoves for cooking and heating buildings	-	Wash'n Auld & J. Cox	Philadelphia, Penn.	May 30.
Stoves for heating irons for tailors' use	-	Bartholomew W. Tabor	Falmouth, Mass.	June 10.
Stoves, anthracite coal	-	Aaron O. Price	Newark, New Jersey	June 14.
Stoves, rotary	-	Rensselaer D. Granger	Troy, New York	July 17.
Stove-pipes and drums	-	Merritt Bradford	Saugerties, New York	March 25.
Stove for cooking and heating	-	William B. Kimball	Peterborough, N. H.	July 19.
Stove for burning anthracite	-	Jordan L. Mott	City of New York	July 22.
Stove for cooking and heating	-	Rufus S. Payne	West Springfield, Mass.	July 31.
Stove for heating apartments	-	Philip Wilcox	Springfield, Mass.	July 31.

LIST OF PATENTS—CLASS 16—Continued.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Stoves, improvement in	John Collum	Grafton, Mass.	1837.
Stoves for cooking	James Wilson	City of New York	July 31.
Strainers for milk-pails	Isaiah Bunnell	Derby, Connecticut	August 15.
Stoves, non-radiating hot air	Benjamin Blaney	Boston, Massachusetts	August 18.
Stoves, construction of	George F. Hopkins	City of New York	September 8.
Stove for heating and cooking	Philip Wilcox	Springfield, Mass.	Sept. 8. Ante-
Stoves, construction of	Thomas Mills	Havana, New York	dated Mar. 8.
Steam vessel for cooking	John Morris	Derby, Connecticut	September 12.
Stoves, constructing of	Henry H. Roach	Norwich, Connecticut	September 25.
Stove, cooking and warming	John Morris	Derby, Connecticut	October 28.
Stoves, grates, boilers, and oven	Caleb Slade	Troy, New York	November 4.
Stove, parlor	Jordan L. Mott	City of New York	November 4.
Spark-catcher, &c.	William Duff	Baltimore, Maryland	November 11.
Sliding flute grate	Daniel Desmond	City of New York	December 7.
Washing machine, cylinder	William Hovey	Worcester, Mass.	December 20.
Weather strips to bottom of doors	Isaac D. Brower	City of New York	December 26.
			February 4.
			July 29.

CLASS 17.—INSTRUMENTS AND OPERATIONS IN THE POLITE, FINE, AND ORNAMENTAL ARTS,

Including music, painting, engraving, gilding, sculpture, &c.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Printing and drawing checks to prevent counterfeits, &c.	John Dainty	Philadelphia, Penn.	July 31.

Action of piano fortes, &c. - - - Thomas Loud - Philadelphia, Penn. - December 7.

CLASS 18.—THE HEALING ART,

Including surgical instruments and apparatus.

Bandages, pads	-	-	-	Robert Thompson	-	Columbus, Ohio	January 29.
Truss for hernia	-	-	-	Elijah Jaquith	-	Brattleboro', Vermont	March 11.
Trusses for retention and radical cure of hernia	-	-	-	Heber Chase, M. D.	-	Philadelphia, Penn.	June 10.
Trusses, hernial	-	-	-	Richard Salisbury	-	Providence, R. Island	November 4.
Truss for hernia	-	-	-	Josiah Hungerford	-	Dover, New York	December 26.

CLASS 19.—CHEMICAL MANUFACTURES, PROCESSES, AND COMPOUNDS,

Not included under the foregoing heads, comprising dying, color-making, blacking, distilling, varnish-making, calcining, &c.

Bitterings from kettles, process of separating and removing, &c.	-	-	-	David Dear	-	Salina, New York	October 18.
Blocks for printing colors on silk, &c.	-	-	-	John Crabtree	-	City of New York	December 7.
Composition for making boots, &c., water-proof	-	-	-	Patrick G. Nagle	-	Philadelphia, Penn.	February 10.
Caoutchouc, divesting of its adhesive properties	-	-	-	Charles Goodyear	-	City of New York	June 17.
Carbonate of lead, machinery employed	-	-	-	Charles Ripley	-	Saugerties, New York	July 11.
Coloring maps, process and apparatus	-	-	-	Lucius Stebbins	-	Hartford, Connecticut	July 11.
Composition of matter for fire-brick. (See class 13)	-	-	-	Christopher W. Fenton	-	Bennington, Vermont	September 22.
Composition, &c., paint for houses, &c.	-	-	-	William Cox	-	Dayton, Ohio	October 23.
Coloring matter, manufacturing of	-	-	-	Henry Stevens	-	Great Britain	October 28.

Inventions or discoveries.	Patentees.	Residence.	When issued.
Gum Senegal, a substitute for	Walter Leveridge	Dorchester, Mass.	1837.
India rubber, manufacturing of	Stephen C. Smith	City of New York	Aug. 8. Ante-
Lime, process of burning	Samuel Garber and Henry Swartzengrover	Norristown, Penn.	dated May 30.
Leaching ashes	Garret Clements	Canandaigua, N. Y.	December 7.
Metallic solution for preserving timber	Webster Flockton	Subject of Great Britain	March 25.
Metallic sheathing of vessels, mode of protecting	Edward M. Robinson	New Bedford, Mass.	June 10.
Paint, white water color	Forrest Shepperd	New Haven, Conn.	February 16.
Preserving timber and other vegetable products	John Knowles and Robert Gilbert, executors of Robert Bill, of the city of London.	London and City of York, England	August 8.
Paint for the protection of buildings	Louis Paimbœuf	Washington, D. C.	July 17.
Preserving iron, &c., from rust	M. Sorel	Paris, France	September 21.
Saccharine, vinous, &c., fermentation	J. J. C. Sheridan	London, England	November 11.
Soap making	Daniel E. Stillwell	Utica, New York	December 7.
Salt water, purifying of	Nils Sholtewskii Von Schoultz	Salina, New York	June 30.
Sugar, manufacturing of	John Penny	Parish of Ascension, La.	July 17.
Timber, protection from worms, &c.	August Gotthilff	City of New York	July 29.
White lead	Peregrine Phillips	Campbell county, Ky.	September 25.
			June 14.
			April 17.

CLASS 20.—COMPOSITION OF MATTER,

Including pharmaceutical preparations and other compounds used in medicine or the arts.

Cement in making cisterns, &c.	-	-	Thomas Coyle	-	Baltimore, Maryland	-	August 16.
Hydraulic cement from basanite	-	-	Ebenezer C. Warner	-	Albany, New York	-	October 6.
Tonic and aperient, &c., pills	-	-	John J. Oellig	-	Waynesborough, Penn.	-	October 28.
Worm-destroying medicine	-	-	John J. Oellig	-	Waynesborough, Penn.	-	October 28.

CLASS 21.—MISCELLANEOUS.

Balance for weighing	-	-	B. Morrison	-	Milton, Pennsylvania	-	February 16.
Bodkin for inserting corset ring, &c., into cloth	-	-	Jonathan S. Turner	-	Middletown, Conn.	-	April 25.
Boot-trees	-	-	David Hastings	-	Deerfield, Mass.	-	December 15.
Candles, moulding of	-	-	John Moore and Samuel P. Bower	-	Strasburg, Penn.	-	March 3.
Candles, moulding	-	-	Joseph H. Tuck	-	Nantucket, Mass.	-	July 11.
Cutting and pointing wooden pegs	-	-	Joseph Essex	-	Killingly, Connecticut	-	July 17.
Dye-wood, machine for cutting	-	-	Lucilius Moseley	-	Poughkeepsie, N. Y.	-	June 22.
Dye-woods, reducing and cutting	-	-	Abner McMillen	-	Bedford, N. H.	-	December 26.
Drying oil-cloths	-	-	Daniel Sampson	-	Winthrop, Maine	-	May 30.
Draughting out forepart of coats	-	-	Allen Ward	-	Moyamensing, Penn.	-	September 28.
Draughting and cutting out garments	-	-	William W. Allen	-	Philadelphia, Penn.	-	October 23.
Feathers, cleaning and dressing	-	-	Samuel Swett, jr.	-	Readfield, Maine	-	July 31.

LIST OF PATENTS—CLASS 21—Continued.

Inventions and discoveries.	Patentees.	Residence.	When issued.
Geometrical measurer for draughting out coats, &c.	William C. Bishop	Ovid, New York	1837.
Garments, system of cutting	Andrew Wiswell	Exeter, N. Hampshire	April 25.
Ice for shipping, preparing	Nathaniel J. Wyeth	Cambridge, Mass.	July 11.
Loco-foco matches, dipping	John Hatfield	Stillwater, New York	December 1.
Magnetism and electro magnetism	Thomas Davenport	Brandon, Vermont	June 3.
Platform balance	Benjamin Bull	City of New York	February 25.
Preparing oleaginous seeds for pressing	James Criswell	Pittsburg, Penn.	March 3.
Pantaloon measurer	Edwin Grimston	Danvers, Mass.	July 31.
Refrigerators	Robert D. Burns	Baltimore, Maryland	September 21.
Steelyard balance	Erastus Fairbanks and Thaddeus Fairbanks	St. Johnsbury, Vt.	November 11.
Steelyard balance, &c.	Erastus Fairbanks and Thaddeus Fairbanks.	St. Johnsbury, Vt.	Sept. 22, 1832.
Safes or chests, fire-proof	Benjamin Sherwood	City of New York	Reissued February 10.
Splints for friction matches	Stephen Dole	Concord, N. H.	May 8.
Spreading adhesive plaster, &c., upon muslin linen	B. Morrison	Milton, Pennsylvania	May 30.
Safe for preservation of papers	Daniel Fitzgerald	Mount Morris, N. Y.	August 8.
Steaming and mashing apples	John Dunn	Greenwood, Penn.	August 15.
Spinning tobacco	Hiram M. Smith	Richmond, Virginia	December 1.
Standard measurer for taking measure of coats	Erastus Barber	Boston, Massachusetts	December 20.
Tailoring, system of	Amos Sherman	Newark, New Jersey	December 26.
Temperature of inking rollers, &c.	Eliphaz Weston Arnold	Boston, Massachusetts	July 17.
			September 21.

Weighing heavy bodies	-	-	-	-	E. Fairbanks and T. Fairbanks	St. Johnsbury, Vt.	-	June 13, 1831. Reissued February 10.
Weighing heavy bodies	-	-	-	-	E. Fairbanks and T. Fairbanks	St. Johnsbury, Vt.	-	June 13, 1831. Reissued February 10.
Weighing heavy bodies	-	-	-	-	E. Fairbanks and T. Fairbanks	St. Johnsbury, Vt.	-	Feb. 21, 1832. Reissued February 10.
Weighing heavy bodies	-	-	-	-	E. Fairbanks and T. Fairbanks	St. Johnsbury, Vt.	-	Feb. 21, 1832. Reissued February 10.
Weighing heavy bodies	-	-	-	-	E. Fairbanks and T. Fairbanks	St. Johnsbury, Vt.	-	Feb. 21, 1832. Reissued February 10.

B.

Alphabetical list of patentees for the year 1837, with their places of residence.

Patentees.	Residence.
Adams, Samuel - - -	Townsend, Massachusetts.
Adams, Nathaniel - - -	Cornwall, New York.
Akin, Aaron H. - - -	Sparta, Pennsylvania.
Alger, Cyrus - - -	Boston, Massachusetts.
Allen, Granville D. - - -	Richmond, Virginia.
Allen, William W. - - -	Philadelphia, Pennsylvania.
Allen, Ethan - - -	Grafton, Massachusetts.
Aldrick, Elijah F. - - -	City of New York.
Ambler, John - - -	Philadelphia, Pennsylvania.
Ames, John - - -	Springfield, Massachusetts.
Andrews, James - - -	Camden, Maine.
Andrews, Ethan A. - - -	Boston, Massachusetts.
Andrews, Robert W. - - -	Stafford, Connecticut.
Arnold, Eliphaz Weston - - -	Boston, Massachusetts.
Auld, Washington, and James Cox	Philadelphia, Pennsylvania.
Austin, William C. - - -	Greenville, Virginia.
Baldwin, Moses - - -	Cincinnati, Ohio.
Barker, John - - -	Baltimore, Maryland.
Barker, John - - -	Baltimore, Maryland.
Barker, David W. - - -	Clyde, New York.
Barns, Joel - - -	Philadelphia, Pennsylvania.
Barron, James - - -	Philadelphia, Pennsylvania.
Barron, James - - -	Philadelphia, Pennsylvania.
Barber, Erastus - - -	Boston, Massachusetts.
Barrows, Ebenezer - - -	Boston, Massachusetts.
Barton, Thomas C. - - -	City of New York.
Barton, Thomas C. - - -	City of New York.
Barton, William M. - - -	Cheek's \propto Roads, Tenn.
Bayley, Moses - - -	Salisbury, Massachusetts.
Beale, Robert - - -	Washington, District of Columbia.
Beckwith, Ira L. - - -	Quincy, Massachusetts.
Bigelow, Erastus B. - - -	West Boylston, Massachusetts.
Bishop, William C. - - -	Ovid, New York.
Bishop, Nathaniel W. and } Simeon Brooks }	{ Saybrook, Connecticut. { Chester, Connecticut.
Bogardus, James - - -	City of New York.
Bouis, John - - -	Baltimore, Maryland.
Bowman, James T. - - -	Pattonbury, Virginia.
Bubier, John - - -	Marblehead, Massachusetts.
Bull, Benjamin - - -	City of New York.
Bunnell, Isaiah - - -	Derby, Connecticut.
Burns, Robert D. - - -	Brownburg, Virginia.
Burt, Enoch - - -	Manchester, Connecticut.

LIST OF PATENTEES—Continued.

Patentees.	Residence.
Butler, Lester - - -	Cobleskill, New York.
Buzzell, John D. - - -	Cape Elizabeth, Maine.
Blackall, Joseph - - -	Albany, New York.
Blanchard, Thomas - - -	City of New York.
Blaney, Benjamin - - -	Boston, Massachusetts.
Blenis, George O. - - -	Salina, New York.
Bradford, Merrit - - -	Saugerties, New York.
Broadmeadow, Simeon - - -	City of New York.
Broadmeadow, Simeon - - -	City of New York.
Brittain, William, and Robt. Brittain	Arnwell, New Jersey.
Brooks, Jonathan - - -	Brownburg, Virginia.
Brown, Samuel, and Levi J. Hicks	Macedon, New York.
Brown, Gideon - - -	City of New York.
Brown, Benjamin H. - - -	Alexandria, District of Columbia.
Brower, Isaac D. - - -	City of New York.
Chapin, Ethan S. - - -	Stafford Springs, Connecticut.
Chase, Heber, M. D. - - -	Philadelphia, Pennsylvania.
Childs, Charles D. - - -	Mount Morris, New York.
Church, Ambrose, jun. - - -	Canandaigua, New York.
Clayton, Thomas - - -	Shelbyville, Indiana.
Clements, Gaviel - - -	Canandaigua, New York.
Coats, Stephen - - -	Shoreham, Vermont.
Cochran, John W. - - -	City of New York.
Cochran, John W. - - -	City of New York.
Coddington, Eli - - -	Thompson, New York.
Collum, John - - -	Grafton, Massachusetts.
Compton, Stephen, jun. - - -	Almira, New York.
Conger, Ellison - - -	Newark, New Jersey.
Cooper, Isaac - - -	Johnstown, Pennsylvania.
Cox, William - - -	Dayton, Ohio.
Coyle, Thomas - - -	Baltimore, Maryland.
Crabtree, John - - -	City of New York.
Creed, William - - -	Boston, Massachusetts.
Criswell, James - - -	Pittsburg, Pennsylvania.
Croasdale, William - - -	Hartsville, Pennsylvania.
Crompton, William - - -	Taunton, Massachusetts.
Curtis, Samuel - - -	Eagle, New York.
Curtis, Samuel - - -	Eagle, New York.
Curtis, Elijah S. - - -	Boston, Massachusetts.
Cutler, Jonathan - - -	Putney, Vermont.
Dainty, John - - -	Philadelphia, Pennsylvania.
Davenport, Thomas - - -	Brandon, Vermont.
Davenport, Moses - - -	Phillips, Massachusetts.
Day, Silas - - -	City of New York.
Day, George L. - - -	Union, New York.
Dean, Sinus - - -	Utica, New York.

LIST OF PATENTEES—Continued.

Patentees.	Residence.
Dear, David - - -	Salina, New York.
Deats, John - - -	Roxbury, New Jersey.
Delano, Howard - - -	Skaneateles, New York.
Desmond, Daniel - - -	City of New York.
Dewey, David - - -	Poultney, Vermont.
Dixon, Edward H. - - -	City of New York.
Dole, Stephen - - -	Concord, New Hampshire.
Douglass, William A. - - -	Albany, New York.
Dreyer, Peter Henry - - -	City of New York.
Duff, William - - -	Baltimore, Maryland.
Dunn, John - - -	Greenwood, Pennsylvania.
Eastwick, Andrew M. - - -	Philadelphia, Pennsylvania.
Eitelgeorge, Augustus - - -	Cincinnati, Ohio.
Elgin, George - - -	City of New York.
Emans, Richard - - -	Mansfield, New Jersey.
Emery, Benjamin F. - - -	Bath, Maine.
Emmons, Uri - - -	Freehold, New Jersey.
Essex, Joseph - - -	Killingly, Connecticut.
Fairbanks, E., and T. Fairbanks - - -	St. Johnsbury, Vermont.
Fairbanks, E., and T. Fairbanks - - -	St. Johnsbury, Vermont.
Fairbanks, E., and T. Fairbanks - - -	St. Johnsbury, Vermont.
Fairbanks, E., and T. Fairbanks - - -	St. Johnsbury, Vermont.
Fairbanks, E., and T. Fairbanks - - -	St. Johnsbury, Vermont.
Fairbanks, E., and T. Fairbanks - - -	St. Johnsbury, Vermont.
Fairbanks, E., and T. Fairbanks - - -	St. Johnsbury, Vermont.
Farnam, Dudley L. - - -	City of New York.
Fay, Henry C. - - -	Lancaster, Massachusetts.
Fenton, Christopher W. - - -	Bennington, Vermont.
Fessenden, Timothy - - -	Boston, Massachusetts.
Fickardt, Frederick A. - - -	Easton, Pennsylvania.
Finlay, John - - -	Baltimore, Maryland.
Fisher, Elijah, and } Dexter Chamberlain }	{ Springfield, Massachusetts. { Boston, Massachusetts.
Fisher, Harmon C. - - -	Warwick, Rhode Island.
Fitz, Gideon - - -	Clinton, Mississippi.
Fitzgerald, Daniel - - -	Mount Morris, New York.
Flint, Edward - - -	City of New York.
Flocton, Webster - - -	Subject of Great Britain.
Fredly, Frederick - - -	Logan Township, Pennsylvania.
Garber, S., and H. Swartzengoover - - -	Norristown, Pennsylvania.
Gay, David - - -	Bath, Maine.
Gay, Charles S. - - -	Nashua, New Hampshire.
Gleason, Horace - - -	Boston, Massachusetts.
Good, Francis - - -	New London, Pennsylvania.
Goodyear, Charles - - -	City of New York.
Goss, Samuel - - -	Milford, New Hampshire.

LIST OF PATENTEES—Continued.

Patentees.	Residence.
Goss, Samuel - - -	Milford, New Hampshire.
Gotthilff, August - - -	City of New York.
Goulding, Charles - - -	Mobile, Alabama.
Grant, Robert - - -	Philadelphia, Pennsylvania.
Granger, Rensselaer D. - - -	Troy, New York.
Grannis, D., and D. E. Brand - - -	Collins, New York.
Gray, William - - -	Hebron, Connecticut.
Greenough, John James - - -	Boston, Massachusetts.
Green, Joseph C. - - -	Fayette, Maine.
Gillespie, Barnabas S. - - -	City of New York.
Grimston, Edwin - - -	Danvers, Massachusetts.
Grosvenor, Jacob - - -	City of New York.
Griggs, George S. - - -	Roxbury, Massachusetts.
Griswold, Ogden - - -	Hartford, Connecticut.
Golding, John - - -	Dedham, Massachusetts.
Hotchkiss, Gideon - - -	Windsor, New York.
Hotchkiss, Gideon - - -	Windsor, New York.
Hayden, Warner - - -	New Milford, Pennsylvania.
Hovey, William - - -	Worcester, Massachusetts.
Harvey, Thomas W. - - -	Poughkeepsie, New York.
Harvey, Thomas W. - - -	Poughkeepsie, New York.
Harvey, Charles R., and E. Tracy - - -	Poughkeepsie, New York.
Harvey, Charles R. - - -	Poughkeepsie, New York.
Hedge, Lemuel - - -	Hartford, Connecticut.
Hedge, Egbert - - -	Hartford, Connecticut.
Hull, David, and J. Critcherson - - -	Portland, Maine.
Hobday, John - - -	Portsmouth, Vermont.
Hodges, James - - -	Fairplay, South Carolina.
Howe, Jacob - - -	Worcester, Massachusetts.
Hoskins, Thomas H. - - -	Springfield, Ohio.
Hartpence, S., and J. D. Bowne, - - -	Kingwood, New Jersey.
Hazard, Phillipe F. - - -	Philadelphia, Pennsylvania.
Hatfield, John - - -	Stillwater, New York.
Heckman, Henry - - -	Newburg, New York.
Harrington, Henry - - -	Southbridge, Massachusetts.
Hughes, Enos B. M. - - -	New Haven, Connecticut.
Hottman, David - - -	Baltimore, Maryland.
Howell, Samuel E. - - -	Vincent Town, New Jersey.
Hammond, Hervey - - -	Lewisburg, Pennsylvania.
Hopkins, George F. - - -	City of New York.
Hull, Alonzo G. - - -	Brooklyn, New York.
Hall, Henry G. - - -	Putnam, Ohio.
Hall, Jacob G. - - -	Zanesville, Ohio.
Hancock, William - - -	Great Britain.
Hastings, David, and Solomon Sikes - - -	Deerfield, Massachusetts.
Hastings, David - - -	Deerfield, Massachusetts.

LIST OF PATENTEES—Continued.

Patentees.	Residence.
Hinkley, Benjamin - - -	Fayette, Maine.
Hinds, James - - -	Troy, New York.
Hill, Porter - - -	Veteran, New York.
Hamilton, Samuel H. - - -	City of New York.
Hathaway, Jonathan G. - - -	Painsville, Ohio.
Hibbard, Harmon - - -	Attica, New York.
Holmes, Harvey - - -	New Marlborough, Massachusetts.
Hutchenson, Jesse, jr. - - -	Lynn, Massachusetts.
Hobbs, William - - -	Springfield, Massachusetts.
Hartford, Benj., and W. B. Tilton - - -	Enfield, New Hampshire.
Hungerford, Josiah - - -	Dover, New York.
Hunt, Conrad H., and Wm. Browne - - -	Fredericksburg, Virginia.
Harper, Gaylord V. - - -	Franklinville, New York.
Idler, Jacob - - -	Philadelphia, Pennsylvania.
Imlay, Richard - - -	Philadelphia, Pennsylvania.
Jaquith, Elijah - - -	Brattleboro', Vermont.
Jaquith, Elijah - - -	Brattleboro', Vermont.
Jacobs, Nathan - - -	Newark, Ohio.
Jewell, Oliver - - -	Rochester, New York.
Jones, Alexander - - -	New Orleans, Louisiana.
Jones, Henry C. - - -	Newark, New Jersey.
Johnson, Henry, and N. Johnson - - -	Erwin, New York.
Johnson, Jasper - - -	Genesee, New York.
Johnson, Nelson - - -	Erwin Centre, New York.
Johnson, Samuel - - -	Walnut Lane, North Carolina.
Kelly, William - - -	New Columbus, Pennsylvania.
Kendall, Eli - - -	Newton, Massachusetts.
Kimball, William B. - - -	Peterboro', New Hampshire.
Kinney, William - - -	Louisville, Kentucky.
Keedy, Jonathan - - -	Russellville, Kentucky.
Knowles, John, and Robert Gilbert	<div style="display: inline-block; vertical-align: middle;"> <div style="font-size: 3em; vertical-align: middle; margin-right: 5px;">{</div> <div>Executors of R. Bill, of the city of London,</div> </div>
Kirkpatrick, John - - -	Baltimore, Maryland.
Kirkpatrick, John - - -	Baltimore, Maryland.
Kempton, Obed - - -	New Bedford, Massachusetts.
Kasslar, Abraham - - -	Canajoharie, New York.
Kinthead, William - - -	Elkton, Maryland.
Larimore, Wilson L. - - -	Paris, Kentucky.
Leavitt, Daniel - - -	Cabotsville, Massachusetts.
Leavitt, John S. - - -	Turner, Maine.
Lull, Harvey - - -	Ithaca, New York.
Langdon, Barnabas - - -	Troy, New York.
Lyon, Joseph - - -	Pottsville, Pennsylvania.
Leveridge, Walter - - -	Dorchester, Massachusetts.

LIST OF PATENTEES—Continued.

Patentees.	Residence.
Lobdell, Ebenezer, and } Thomas J. Lobdell }	{ Plympton, Massachusetts. { Boston, Massachusetts.
Longley, D. M., and Samuel Davis	Westbrook, Maine.
Leland, Levi N. - - -	Grafton, Massachusetts.
Leonard, Elkanah - - -	Canton, Maine.
Lawton, Robert B. - - -	Newport, Rhode Island.
Loud, Thomas - - - - -	Philadelphia, Pennsylvania.
Morison, B. - - - - -	Milton, Pennsylvania.
Morison, B. - - - - -	Milton, Pennsylvania.
Morrison, Abraham - - -	Johnstown, Pennsylvania.
Morrison, Enoch R. - - -	Pittsburg, Pennsylvania.
Morris, John - - - - -	Derby, Connecticut.
Morris, John - - - - -	Derby, Connecticut.
Morris, John - - - - -	Derby, Connecticut.
Moore, John, and Samuel P. Bower	Strasburg, Pennsylvania.
Moore, Hugh - - - - -	City of New York.
Mace, Wandle - - - - -	City of New York.
McCarty, Thomas - - - -	Elmira, New York.
McClory, James - - - - -	City of New York.
McCann, James - - - - -	New Market, Virginia.
McCormick, Stephen - - -	Auburn, Virginia.
McMillen, Abner - - - -	Bedford, New Hampshire.
McMullen, John, and } Joseph Hollen, jr. }	{ Sinking Valley, Pennsylvania. { Logan Valley, Pennsylvania.
Manlove, John G. - - - -	Bainbridge, Ohio.
Myers, Jeremiah - - - - -	Attleborough, Massachusetts.
Mosely, Lucilius H. - - -	Poughkeepsie, New York.
Martin, Jeremiah - - - -	Boston, Massachusetts.
Mixsell, Abraham T. - - -	Belvidere, New Jersey.
Mason, Samuel P. - - - -	Newport, Rhode Island.
Mott, Jordon L. - - - - -	City of New York.
Mott, Jordon L. - - - - -	City of New York.
Mott, Jordon L. - - - - -	City of New York.
Miller, Asa - - - - -	Lockport, New York.
Mervine, Andrew F. - - -	St. Louis, Missouri.
Mills, Thomas - - - - -	Havanna, New York.
McIntosh, John - - - - -	City of New York.
Makely, Jacob D. - - - -	Cairo, New York.
Mosley, Lucilius H. - - -	Poughkeepsie, New York.
Morse, Andrew - - - - -	Boston, Massachusetts.
Nagle, Patrick G. - - - -	Philadelphia, Pennsylvania.
Napier, David B. - - - - -	Liberty, Kentucky.
Nelson, John, and J. P. Ross	Lewisburg, Pennsylvania.
Nicholson, Samuel - - - -	Boston, Massachusetts.
Norton, Job B. - - - - -	Philadelphia, Pennsylvania.
North, Alvin - - - - -	North Britain, Connecticut.

LIST OF PATENTEES—Continued.

Patentees.	Residence.
Nutting, Mighill - - -	Portland, Maine.
Oellig, John J. - - -	Waynesborough, Pennsylvania.
Oellig, John J. - - -	Waynesborough, Pennsylvania.
Ogden, Francis B., and } John Eriesson }	{ New Jersey. { Kingdom of Sweden.
Olney, James N. - - -	City of New York.
Ong, Jesse - - -	North Huntingdon, Pennsylvania.
Power, John H. - - -	Norwalk, Ohio.
Pollock, Allen - - -	Boston, Massachusetts.
Parrott, William B. - - -	Boston, Massachusetts.
Pierce, Dexter - - -	Montague, Massachusetts.
Phillips, Peregrine - - -	Campbell county, Kentucky.
Plantou, G., admin'tor of A. Plantou	Philadelphia, Pennsylvania.
Price, Aaron O. - - -	Newark, New Jersey.
Petitval, John B. - - -	Charleston, South Carolina.
Pearson, Thomas - - -	Monroe Works, New York.
Parker, Clayton, and R. W. Engle	Wayne township, Ohio.
Parker, Charles - - -	Meriden, Connecticut.
Payne, Rufus S. - - -	West Springfield, Massachusetts.
Payne, John D. - - -	Warm Springs, Virginia.
Palmer, Aaron - - -	Akron, New York.
Penny, John - - -	Parish of Ascension, Louisiana.
Parkhurst, Curtis - - -	Lawrenceville, Pennsylvania.
Paimbœuf, Louis - - -	Washington, District of Columbia
Poland, Wm. C., and Earl Blossom	Portland, Maine.
Pack, George - - -	Peterboro', New York.
Peck, Thomas - - -	Lenox, New York.
Potter, Welcome A. - - -	Cranston, Rhode Island.
Pleasants, Bazil B. - - -	Brookville, Maryland.
Pitts, John A., and Hiram Pitts -	Winthrop, Maine.
Rand, Oliver P., and Joseph Berry	New Market, New Hampshire.
Rust, Samuel - - -	City of New York.
Rust, Samuel - - -	City of New York.
Ruggles, John - - -	Thomaston, Maine.
Rush, James I. - - -	Philadelphia, Pennsylvania.
Rust, Samuel - - -	City of New York.
Rice, Phineas, and Gabriel Rice -	Danville, Kentucky.
Ripley, Charles - - -	Saugerties, New York.
Rice, Levi - - -	West Chester, Pennsylvania.
Rice, Levi, and Daniel Congdon -	West Chester, Pennsylvania.
Reed, Edwin - - -	West Bridgewater, Massachusetts.
Read, Clement O. - - -	Providence, Rhode Island.
Richardson, James - - -	Poultney, Vermont.
Richardson, Ithiel S. - - -	Boston, Massachusetts.
Robinson, Edward M. - - -	New Bedford, Massachusetts.
Robinson, E., and G. W. Robinson	Boston, Massachusetts.

LIST OF PATENTEES—Continued.

Patentees.	Residence.
Raymond, J. S. - - -	Lodi, New York.
Rice, Levi - - -	West Chester, Pennsylvania.
Randel, Abraham - - -	Vernon, New York.
Ropes, David N. - - -	Portland, Maine.
Rowe, James - - -	Triana, Alabama.
Roath, Henry Hobart - - -	Norwich, Connecticut.
Ripley, Ezra - - -	Troy, New York.
Smith, Jesse J. - - -	Brutus, New York.
Smith, Francis H. - - -	Baltimore, Maryland.
Smith, John C. - - -	Kingwood, New Jersey.
Smith, Benjamin M. - - -	Rochester, New York.
Smith, Jesse C. - - -	Lacon, Illinois.
Smith, Henry - - -	Bethel, Ohio.
Smith, Stephen C. - - -	City of New York.
Smith, Hiram M. - - -	Richmond, Virginia.
Sloat, Jacob, and } Thos. Springsteen }	{ Ramapo, New York. { Poughkeepsie, New York.
Sheets, Henry - - -	Stanton, Virginia.
Silliman, Henry - - -	Perry village, New York.
Swainson, John - - -	City of New York.
Stimpson, James - - -	Baltimore, Maryland.
Sellers, George E. - - -	Philadelphia, Pennsylvania.
Sherman, Roger Minott - - -	Fairfield, Connecticut.
Sherman, Roger Minott - - -	Fairfield, Connecticut.
Sherman, Amos - - -	Newark, New Jersey.
Schönherr, Christian William - - -	Subject of Saxony.
Sherwood, Benjamin - - -	City of New York.
Stillman, Thomas B. - - -	City of New York.
Stanton, Nehemiah P. - - -	Syracuse, New York.
Sampson, Daniel - - -	Winthrop, Maine.
Shailer, Reuben - - -	Haddam, Connecticut.
Sheridan, John Joseph Charles - - -	London, England.
Slicer, William - - -	Baltimore, Maryland.
Stebbens, Lucius - - -	Hartford, Connecticut.
Straub, Isaac - - -	Lewistown, Pennsylvania.
Severence, Levi - - -	Pittsburg, Pennsylvania.
Stillwell, Daniel E. - - -	Utica, New York.
Shepperd, Forrest - - -	New Haven, Connecticut.
Shepperd, Forrest - - -	New Haven, Connecticut.
Snider, Isaac - - -	Mount Pleasant, Pennsylvania.
Swett, Samuel, jr. - - -	Readville, Maine.
Silsbe, John - - -	Tyrone, New York.
Swasey, Benjamin - - -	Mount Vernon, Vermont.
Sperry, Ebenezer P. - - -	Wenham, Massachusetts.
Skinner, Joseph - - -	Stockbridge, Massachusetts.
Spratley, Benjamin - - -	Portsmouth, Virginia.

LIST OF PATENTEES—Continued.

Patentees.	Residence.
Short, Sewall - - -	Nantucket, Massachusetts.
Skinner, Elijah - - -	Sandwich, New Hampshire.
Stephens, Daniel - - -	Kitland, Ohio.
Stevens, Henry - - -	Great Britain.
Stevens, John - - -	Poughkeepsie, New York.
Stevens, Jonathan - - -	Newark, New Jersey.
Salisbury, Richard - - -	Providence, Rhode Island.
Slade, Caleb - - -	Troy, New York.
Straub, Henry - - -	Shepperdstown, Virginia.
Sargent, Zebulon - - -	Contoocookville, New Hampshire.
Sorel, M. - - -	Paris, France.
Steiner, Mathias - - -	City of New York.
Tabor, Bartholomew W. - - -	Falmouth, Massachusetts.
Tracy, Erastus - - -	Poughkeepsie, New York.
Trench, Thomas - - -	Ithaca, New York.
Thistle, Hezekiah L. - - -	New Orleans, Louisiana.
Twiss, Hiram - - -	Meriden, Connecticut.
Titcomb, Edgar M. - - -	Andover, Massachusetts.
Thorp, Comfort B. - - -	Smithfield, Rhode Island.
Thomas, Markwell - - -	Alfred, Maine.
Thomas, John - - -	City of New York.
Thorp, Thomas - - -	West Cambridge, Massachusetts.
Thompson, Robert - - -	Columbus, Ohio.
Tompkins, James - - -	Conesville, New York.
Town, Elisha - - -	Montpelier, Vermont.
Tuck, Joseph H. - - -	Nantucket, Massachusetts.
Turner, Jonathan S. - - -	Middletown, Connecticut.
Utter, Samuel - - -	City of New York.
Van Dusen, Washington - - -	Kensington, Pennsylvania.
Van Winkle, Jesse - - -	Rochester, New York.
Von Shoultz, Nils Sholtewskii - - -	Salina, New York.
Walker, Nathaniel - - -	Dighton, Massachusetts.
Warner, Chapman, Abraham T. - - -	
Mixsell, and Edwin J. Korn - - -	Belvidere, New Jersey.
Warner, Ebenezer C. - - -	Albany, New York.
Warner, Chapman - - -	Oxford, New Jersey.
Warren, John - - -	Westbrook, Maine.
Ward, Allen - - -	Moyamensing, Pennsylvania.
Washington, James H. - - -	Baltimore, Maryland.
Waterman, Henry - - -	Bath, Maine.
Waterman, Henry - - -	Bath, Maine.
Weaver, John - - -	Washington, District of Columbia.
Wells, Henry A., James James, and Robert W. Peck - - -	Brooklyn, New York.
West, Thomas J. - - -	Whitehall, Virginia.

LIST OF PATENTEES—Continued.

Patentees.	Residence.
Wells, Henry A., James James, and Robert W. Peck - - -	Brooklyn, New York.
Williams, Palmer - - -	Towanda, Pennsylvania.
Williamson, John - - -	City of New York.
Wilson, Robert - - -	Milton, Pennsylvania.
Wilson, Alexander M. - - -	Rhinebeck, New York.
Wilson, Alexander M. - - -	Rhinebeck, New York.
Wilson, Increase, and Francis D. Beckwith - - -	New London, Connecticut.
Wilson, James - - -	City of New York.
Wilson, Carrington, jr. - - -	City of New York.
Wilber, Apollos - - -	Burrillville, Rhode Island.
Wilber, George - - -	Macedon, New York.
Wilcox, Philip - - -	Springfield, Massachusetts.
Wilcox, Philip - - -	Springfield, Massachusetts.
Wing, Warren P. - - -	Greenwich, Massachusetts.
Whittier, Otis W. - - -	Enfield, New Hampshire.
Whittemore, James M. - - -	Brighton, Massachusetts.
Whitney, Samuel - - -	Dunstable, New Hampshire.
Whitney, Asa - - -	Southfield, New York.
White, Sullivan - - -	Bridgewater, Vermont.
Whitehouse, Turner - - -	Boston, Massachusetts.
Wiswell, Andrew - - -	Exeter, New Hampshire.
Winans, Ross - - -	Baltimore, Maryland.
Winans, Ross - - -	Baltimore, Maryland.
Winans, Ross - - -	Baltimore, Maryland.
Winans, Ross - - -	Baltimore, Maryland.
Winans, Ross - - -	Baltimore, Maryland.
Wright, Samuel - - -	Philadelphia, Pennsylvania.
Wood, Benjamin H. - - -	Bath, Steuben county, New York.
Woodcock, Bancroft - - -	Mount Pleasant, Pennsylvania.
Woodcock, Bancroft - - -	Mount Pleasant, Pennsylvania.
Woodhull, Joseph - - -	Wheatland, New York.
Woodward, Moses - - -	Marshallton, Pennsylvania.
Wolcott, Josiah, jr., and Charles W. Brown - - -	Roxbury, Massachusetts.
Wyeth, Nathaniel J. - - -	Cambridge, Massachusetts.
Wyman, Oliver - - -	East Cambridge, Massachusetts.
Young, Barzillai, and } Samuel Titus }	{ Killingly, Connecticut. { Brooklyn, Connecticut.

C.

List of patents expired in the year 1837.

AGRICULTURE.				
Patentees.	Residence.	Inventions or discoveries.		When issued.
Bolton, John	Warren, New York	Clover-seed mill	-	1823.
Burrall, Thomas D.	Geneva, New York	Clover-seed machine	-	January 9.
Babcock, Isaac	Rensselaerville, N. Y.	Cradle for grain	-	June 5.
Barret, Nathaniel	Paris, New York	Hulling grain	-	March 24.
Beach, Waldren	Philadelphia, Penn.	Plough, self-sharpening	-	August 21.
Buck, David S.	Hurley, New York	Seed cleaner, universal	-	August 26.
Carver, Eleazer, jr.	Bridgewater, Mass.	Cotton gin, saw and grates for	-	February 10.
Carver, Eleazer, jr.	Bridgewater, Mass.	Cotton gin, saw and grates for	-	June 12.
Cox, Frederick	Somerville, New Jersey	Flax and hemp machine	-	June 13.
Child, Holand	Canton, Maine	Grain, cleaning	-	December 4.
Carl, John	New York	Thrashing grain and cleaning flax	-	January 11.
Douglass, Archibald	Marcellus, New York	Thrashing machine	-	February 12.
Glendenning, Andrew	Loudoun county, Va.	Apples, machine for cutting	-	September 18.
Glendenning, Andrew	Butler county, Penn.	Corn-stalks, machine for cutting	-	September 9.
Goodsell, Naaman	Clinton, New York	Thrashing machine and straw-cutter	-	September 25.
Hubbard, Stephen, and Joseph Graves	Wilmington, Vermont	Cultivator	-	March 21.
Hines, Joseph, and Wm. Bain	Columbus, Ohio	Flax and hemp machine	-	June 21.
Hook, Asa	Searmont, Maine	Flax-seed, machine for cleaning	-	February 3.
			-	September 9.

Hitchcock, David	New York	Plough	-	-	July 16.
Hackney, Obed	Lebanon, Ohio	Plough	-	-	August 29.
Jones, D. H., and W. F.	Palmyra, New York	Plough, cutters and points for	-	-	July 29.
Richardson	Baltimore, Maryland	Thrashing machine	-	-	July 22.
Kirk, William	Chatham, New York	Fork, hay and dung	-	-	July 26.
Lawrence, Christian	Philadelphia, Penn.	Grain, cleaning and scouring	-	-	November 24.
Litzenberger, John	Pittsylvania, Virginia	Thrashing machine and grinding grain	-	-	October 20.
Lewis, William S.	Augusta, New York	Thrashing machine and cleaning grain.	-	-	December 31.
Lovejoy, Benjamin	New York	Flax and hemp machine	-	-	January 18.
McDonald, Jones	Waterbury, Conn.	Fork, four-tined	-	-	June 13.
Martin, Granville	New Garden, Penn.	Harrow-teeth	-	-	December 8.
McConaughy, William	Bath, New Hampshire	Thrashing machine and cleaning grain	-	-	January 14.
Mills, N., and J. Rodgers	Dryden, New York	Thrashing machine	-	-	April 25.
Miller, J. R.	Flatlands, New York	Fanning-mill	-	-	September 22.
Neefus, David	New York	Plough	-	-	June 3.
Nixon, George	New York	Plough	-	-	October 14.
Nash, John	Talmadge, Ohio	Rice-mill, steam	-	-	December 16.
Norton, John L.	Charleston, S. Carolina	Straw-cutter	-	-	December 6.
Osborne, John	Blandford, Mass.	Smut machine	-	-	February 27.
Pease, Daniel, jr.	Winfield, New York	Plough	-	-	February 25.
Rhodes, Ryland	Albemarle county, Va.	Thrashing machine	-	-	January 21.
Reynolds, Gideon	New York	Thrashing machine	-	-	April 15.
Reading, Pierson	Trenton, New Jersey	Thrashing machine	-	-	February 27.
Spooner, Samuel	Petersham, Mass.	Corn-sheller	-	-	April 15.
Sheffield, William E.	New York	Corn-sheller	-	-	March 10.
Sadler, George F.	Lawrence county, Ala.	Cotton cleaner	-	-	September 6.
Smith, Charles	New York	Thrashing machine	-	-	May 14.
Williams, Simon C.	Shenandoah county, Va.	Bee-hive	-	-	July 26.
Watson, Joseph	Canaan, Conn.	Hoes	-	-	May 8.
Weaver, John	Washington City	Plough for listing and preparing land	-	-	

LIST OF PATENTS—Continued.

FACTORY MACHINERY.

Patentees.	Residence.	Inventions or discoveries.	When issued.
Arnold Asa,	North Providence, R. I.	Roving cotton	1823.
Burnap, Lucy	Merrimac, N. H.	Hats, weaving grass for	January 21.
Benson, Matthew	Cincinnati, Ohio	Fire-fender	February 16.
Brasier, John, jr.	Canton, Mass.	Looms, cloth for temples	May 19.
Brown, John	Boston, Mass.	Saws, circular	August 8.
Bonnell, Sylvanus	Chatham, Mass.	Saws, circular	August 13.
Bryant, William	Mill creek, Tenn.	Spinning cotton	September 26.
Collins, Samuel	Troy, New York	Scrap and bar-iron, converting into caststeel	September 30.
Cooper, James	Augusta county, Va.	Chains, &c., preventing them from slipping	April 10.
Curtis, Philo C.	Paris, New York	Carding and spinning wool	June 17.
Delliba, James	Watervliet, N. Y.	Crucibles, making	October 15.
Ewbank, Thomas	New York	Lead, tinned sheet	September 26.
Fuller, Elisha	Attleborough, Mass.	Spinner, cotton	May 30.
Finney, Joseph D.	Keene, N. Hampshire	Chair, easy	February 6.
Fry, Samuel	New York	Shears, with carved edges	May 8.
Hopkins, William	Plainfield, Conn.	Cotton whipper	November 20.
Ives, Ira	Bristol, Conn.	Combs, hair, manufactory	March 6.
Losey, Ebenezer L.	New Brunswick, N. J.	Iron into steel, converting	April 5.
McNamara, Charles	North Bridge, Mass.	Scythes, finishing	November 20.
Northop, M. W., and R.			January 31.
R. Dillon			
Prince, William A.	Newton, New Jersey	Cloth, fulling	December 4.
	New York	Carpeting, ingrain	February 12.

Read, Nathan	-	Belfast, Maine	-	Locks, spiral spring	-	March 31.
Sharrock, John T.	-	Winchester, Virginia	-	Cotton, manufacturing	-	June 20.
Taylor, Joel	-	Danbury, Conn.	-	Hats, coloring	-	November 20.
Weston, Henry	-	Philadelphia, Penn.	-	Pin machine	-	July 23.
Wilcox, Richard	-	New York	-	Paper-rolling machine	-	September 4.

NAVIGATION.

Clark, Edward	-	Philadelphia, Penn.	-	Navigating and ferrying rivers	-	June 25.
Chittenden, J., and A. W.	-		-		-	
Delano	-	Stephenson, N. Y.	-	Propelling boats	-	May 1.
Godley, Joseph	-	Alexandria, N. J.	-	Navigating rivers	-	February 22.
Hugunin, Robert	-	Albany, New York	-	Steamboat, canal	-	March 24.
Rotch, Benjamin	-	Bristol, England	-	Fids for ships' masts	-	December 10.
Rogers, Robert	-	Dover, N. Hampshire	-	Lanyards, chain	-	February 6.
Renwick, James	-	New York	-	Navigation, improvement in internal	-	November 7.
Turner, William A.	-	Plymouth, N. Carolina	-	Tally, machine for keeping	-	July 12.
Townsend, Edward S.	-	Palmyra, New York	-	Towing boats	-	March 12.
Waterman, F., 3d	-	Washington, D. C.	-	Propelling boats by strap wheel	-	May 29.

LAND WORKS.

Church, Othello	-	Friendship, New York	-	Fencing grounds, &c.	-	July 3.
Fairlamb, Jonas P.	-	Wilmington, Del.	-	Locks, saving water in canal	-	November 27.
Gilbert, Ephraim	-	Rochester, New York	-	Boring rocks	-	July 22.

LIST OF PATENTS—Continued.

COMMON TRADES.

Patentees.	Residence.	Inventions or discoveries.	When issued.
Aiken, Herrick	Brighton, Mass.	Harness, coach and chaise	1823.
Aiken, Herrick	Brighton, Mass.	Knife for splitting leather	February 12.
Andrews, Amasa	Livermore, Maine	Shingle machine	March 12.
Bowlin, William	Harrisburg, Virginia	Tilt or trip-hammer	December 29.
Blair, Sherman	New Haven	Cushion, elastic spring	July 1.
Caldwell, Timothy	Philadelphia, Penn.	Bricks, fire-proof	August 1.
Campbell, Ethan	Philadelphia, Penn.	Clothes, cutting out	July 21.
Dinwiddie, Joseph and William	Concord, Virginia	Saddles, spring-tree	November 6.
Emmons, Uri	Green county, N. Y.	Casks, making	August 8.
Holmes, Nathaniel	Barnstable, Mass.	Stone, sawing	January 8.
Harry, Peter	Harrisonburg, Virginia	Saddle-tree and spring-girth	January 24.
Jenckes, John C.	Providence, R. Island	Sick, machine for moving	February 1.
Jennings, Isaiah	New York	Sofas, or sliding-joint settees	May 29.
Kurtz, Christopher	Lancaster, Penn.	Saddle-trees	June 25.
Leavitt, Isaac	Turner, Maine	Washing machine	May 28.
Lanney, Peter	Baltimore, Maryland	Beds, mode of warming	August 12.
Miner, Amos	Camillus, New York	Pales for fences	November 11.
Miner, Amos	Elbridge, New York	Window sash, machinery for making	April 25.
Menefee, John	Landry parish, La.	Brick machine	July 9.
			August 7.

WHEEL CARRIAGES.

Bigelow, Lewis	-	Petersham, Mass.	-	Carriages, steam	-	-	August 29.
Blair, Sherman	-	New Haven, Conn.	-	Wagon	-	-	June 20.
Eames, Daniel W.	-	Watertown, N. Y.	-	Stages, mail	-	-	May 8.
Swann, John B.	-	Albany, New York	-	Carriages	-	-	July 24.

HYDRAULICS.

Clark, Joshua	-	Westminster, Vt.	-	Pump, forcing and suction	-	-	September 11.
Dickinson, Eli	-	Amherst, Mass.	-	Cock	-	-	December 17.
Ewing, James	-	Philadelphia, Penn.	-	Hydrant	-	-	December 19.
Gibson, Thomas	-	Philadelphia, Penn.	-	Hydrant	-	-	December 13.
Lacy, John	-	Philadelphia, Penn.	-	Cock, piston, and valve	-	-	May 6.
Mosby, L. H.	-	Powhatan county, Va.	-	Water by successive pumps	-	-	February 15.
Paddleford, John	-	Lebanon, New York	-	Pump, forcing	-	-	May 6.
Williams, E., and J. Collins	-	Falley's X Roads, Mass.	-	Engine, fire and water-proof	-	-	June 20.
Wilcox, Richard	-	New York	-	Engine, pneumo-hydraulic	-	-	November 1.

CALORIFIC AND STEAM APPARATUS.

Benson, Matthew	-	Cincinnati, Ohio	-	Scraper, chimney	-	-	May 15.
Berrien, Daniel	-	New York	-	Chimney fire extinguisher	-	-	August 21.
Belts, H., and J. A. McLean	-	Norwalk, Conn.	-	Steam generator	-	-	December 24.

LIST OF PATENTS—Continued.

CALORIFIC AND STEAM APPARATUS—Continued.

Patentees.	Residence.	Inventions or discoveries.	When issued.
Cook, Chester	Paris, New York	Still-worm	1823.
Conant, John	Brandon, Vermont	Cooking stove	January 11.
Ewbank, Thomas	New York	Pipes, tin-plate lead for still	December 13.
Farnham, Dudley L.	Albany, New York	Steam engine, rotary	May 9.
Fougeray, George J.	Philadelphia, Penn.	Stove for burning stone-coal	February 19.
Geithansen, Elias	Halifax township, Pa.	Distilling by steam	September 11.
Gillet, Lewis	Copenhagen, N. Y.	Forge and furnace backs	January 14.
Gourjon, Louis	Philadelphia, Penn.	Stove	August 21.
Glendening, Andrew	Butler county, Penn.	Boiler, universal	September 22.
Jones, Caleb	Burlington, Vermont	Stove-pipes	September 25.
Macdonald, Malcolm	Fayette county, Penn.	Distilling	April 5.
Miller, John	Northampton, Penn.	Furnace, fire-proof, for distilleries	February 19.
Tasker, John	Philadelphia, Penn.	Stoves	March 13.
Thayer, Amos, jr.	New York	Steam-engine	February 3.
Thornton, James	Pittsburg, Penn.	Steam-engine, rotary	March 6.
Thomson, James	Pittsburg, Penn.	Steam-engine, rotary	July 16.
			July 16.
MILLS.			
Allen, Adolphus	Troy, Pennsylvania	Water-wheel	February 8.

Langdon, B. and J. C., and J. Trash	Troy, New York	Grain, grinding	-	September 26.
Maze, John	Greenbrier county, Va.	Wheel, vertical water	-	January 10.
Mollieux, Jesse	North Hempstead, N. Y.	Windmill	-	January 24.
Rice, Wanton	Athens, Penn.	Mill, cast-iron spindle grist	-	October 1.
Savage, John Y.	Raleigh, N. Carolina	Rectilineal into rotary motion	-	August 9.
⁴ Smith, Archibald	Rhinebeck, N. Y.	Rectilineal into rotary motion	-	August 30.
Stedwell, James, 3d	Carmel, New York	Wheel-crank	-	November 23.
Schuyler, P. J., and D. Hitchcock	Stillwater, New York	Wheel, iron water	-	December 20.
Vanzant, Abner	Jefferson county, Miss.	Water-power by spiral wheels	-	September 29.

SCREW AND LEVER POWER.

Briggs, Samuel	Salem, Massachusetts	Brick press	-	January 11.
Butts, Lorin	Canterbury, Conn.	Power, mechanical, mode of applying	-	July 9.
Dodge, William M.	New York	Printing, art of	-	March 6.
Reed, Briggs R.	Danvers, Mass.	Brick-press	-	May 29.
Ramage, Adam	Philadelphia, Penn.	Letter-press for proofs	-	May 19.

ARMS.

Finch, Joseph	New York	Percussion guns and pistols	-	April 12.
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LIST OF PATENTS—Continued.

SURGERY.				
Patentees.	Residence.	Inventions or discoveries.	When issued.	
Graham, Charles M.	New York	Teeth, artificial	1823.	
Hull, Amos G.	Utica, New York	Truss	March 9.	
			February 27.	
MATHEMATICAL INSTRUMENTS.				
Goodwin, Nathaniel	Hartford, Conn.	Protractor, rectangular	December 24.	
Vanneni, Joseph	Philadelphia, Penn.	Lottery schemes	October 18.	
CHEMICAL COMPOSITIONS.				
Eddy, Isaac	Boston, Massachusetts	Drugs, pulverizing	December 31.	
Galbraith, Joshua	Trenton, New Jersey	Tanning	October 15.	
Hawkins, Joseph	Philadelphia, Penn.	Mineral water, giving temperature to	April 5.	
Hayden, Horace H.	Baltimore, Maryland	Oil, pyroligneous, and acid used in tanning	November 26.	
Jacobs, Leonard	Missouri	Tanning	February 10.	
Knapp, William	Millford, New York	Tannin, extracting	April 5.	
Roe, D., C. F. Kellogg, and J. W. Gazley	Cincinnati, Ohio	Tannin, extracting	October 3.	

Thompson, Samuel	-	Boston, Massachusetts	Medicine	-	-	January 28.
Vanzant, Abner	-	Jefferson county, Miss.	Salts from pot or pearl-ash	-	-	September 29.
FINE ARTS.						
Vanneni, Joseph	-	Philadelphia, Penn.	Lottery scheme	-	-	October 18.
Wilcox, R.	-	New York	Forgeries, preventing	-	-	September 19.

D,

Statement of receipts for patents, caveats, disclaimers, improvements, and certified copies in the year 1837.

Amount received for patents	-	-	\$24,455 00	
for caveats	-	-	3,840 00	
for office fees	-	-	994 08	
			29,289 08	
Deduct paid on withdrawals	-	-	3,320 00	
Nett revenue for 1837	-	-	-	\$25,969 08

E and F.

Statement of expenditures and payments made from the patent fund by Henry L. Ellsworth, Commissioner, from the 1st of January to the 31st December, 1837, inclusive.

E.*			
For restoring records of patents	-	-	\$1,884 99½
Draughtsmen	-	-	4,319 84½
Examiners and register	-	-	2,083 18
Drawing instruments and furniture	-	-	210 31
Printing	-	-	254 00
Stationary	-	-	1,066 33
† Restored models	-	-	565 50
Restored drawings	-	-	147 50
Freight of models	-	-	173 50
			\$10,705 15½
F.			
Salaries	-	-	13,002 23
Contingent expenses	-	-	2,276 60
Furniture, record-books, and stationary, to replace those destroyed by fire	-	-	4,203 00
			19,481 83
			\$30,186 98½

* Under the act of 3d March, 1837.

† Many models have been ordered, but not yet delivered or paid for.